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USAID INDONESIA URBAN WATER SANITATION AND HYGIENE

ANNUAL PROGRESS REPORT 5

OCTOBER 2014 – SEPTEMBER 2015

QUARTERLY PROGRESS REPORT 18

JULY – SEPTEMBER 2015



OCTOBER 2015

This document was produced for review for USAID/Indonesia by the Indonesia Urban Water, Sanitation and Hygiene (IUWASH) project, implemented by DAI, in accordance with ADS Chapter 320.3.2.4 (e) 05/05/2009 Revision.

Photo Cover:

USAID/Washington Assistant Administrator for Legislative and Political Affairs (AA/LPA), Chuck Cooper, and Deputy AA/LPA, Barbara Feinstein accompanied by the Mission Director of USAID Indonesia, Andrew Sisson and USAID IUWASH team visited the beneficiaries of 'Master Meter' program in Greges Gang Dalam of Kelurahan Tambak Sarioso, Surabaya on August 20, 2015. Through five newly installed Master Meters in Surabaya, about 260 households have connected to the water utility/PDAM of Surabaya's piping clean water service.

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EXECUTIVE SUMMARY

This is the fifth Annual Progress Report (APR) of the USAID Indonesia Urban Water, Sanitation and Hygiene (IUWASH) project. This APR covers the period from October 2014 through September 2015 and which is known as Project Year 5 (or "PY5"). This report also incorporates the project's eighteenth Quarterly Progress Report (QPR), covering the period of July through September 2015. While the focus is on activities, achievements and issues encountered during the annual period, activities undertaken during the latest quarter are noted so that progress registered and issues encountered can be appropriately recorded and gauged.

Throughout PY5, IUWASH sought to build upon its past successes and work under an overriding theme of "Optimizing Performance and Informing Policy." This theme recognized that in addition to aggressively working towards achieving the project's targeted results and outcomes, there was also a need to increase the sharing of project experience, approaches and lessons learned with IUWASH partners at especially the national level so that they could be used in the formulation of new strategies and programs. Though not subject to specific monitoring activities, the project's work in better informing policy is well-reflected in several new GOI initiatives which are based upon IUWASH experience, including those related to sanitation institution development, sanitation promotion and septage management. Summaries of all IUWASH activities and outcomes during the quarter are presented below.

Main Achievements:

IUWASH measures progress based on the achievement of high-level results and targeted outcomes as defined in the IUWASH Performance Monitoring Plan (PMP). These are measured on a quarterly or, in some cases, semi-annual basis. Among many achievements during the reporting period, those related to the project's high-level results include:

RINGKASAN EKSEKUTIF

Laporan ini adalah Laporan Kinerja Tahunan (*Annual Progress Report/APR*) kelima dari proyek USAID *Indonesia Urban Water, sanitation and Hygiene* (IUWASH). APR ini membahas periode Oktober 2014 sampai dengan September 2015 yang juga disebut sebagai Tahun Proyek 5 (*Project Year 5/PY5*). Laporan ini juga termasuk Laporan Kinerja Kuartal (*Quarterly Progress Report/QPR*) keempat belas dari proyek yang meliputi periode Juli 2014 sampai dengan September 2014. Adapun laporan ini berfokus terhadap kegiatan, pencapaian dan masalah yang dihadapi selama satu tahun terakhir, kegiatan selama kuartal terakhir juga dimasukkan ke dalamnya sehingga semua kemajuan yang tercatat dan masalah yang dihadapi dapat dicatat dan diukur.

Selama PY5 ini, IUWASH berupaya membangun kesuksesan sebelumnya dan bekerja dengan menerapkan tema "Mengoptimalkan Kinerja dan Kebijakan Menginformasikan." Tema ini mengakui bahwa selain bekerja secara agresif dalam mencapai hasil dan dampak yang ditargetkan oleh proyek, tetapi juga berbagi pengalaman, pendekatan dan pelajaran yang didapat oleh proyek kepada mitra IUWASH, terutama di tingkat nasional, juga diperlukan sehingga dapat mereka gunakan dalam perumusan strategi dan program baru. Meskipun tidak tuduk pada kegiatan pemantauan tertentu, tugas proyek dalam menginformasikan kebijakan dengan lebih baik tercermin dari beberapa tindakan Pemerintah Pusat baru-baru ini yang didasarkan pada pengalaman IUWASH, termasuk yang terkait dengan pengembangan institusi sanitasi, promosi sanitasi dan pengelolaan lumpur tinja. Ringkasan dari semua kegiatan IUWASH dan hasil pada kuartal terakhir ini tersaji di bawah ini.

Pencapaian utama

IUWASH mengukur perkembangan berdasarkan prestasi proyek dengan hasil tingkat tinggi dan hasil yang ditargetkan sebagaimana didefinisikan dalam Rencana Pengawasan Kinerja (*Performance Monitoring Plan* atau PMP). Pengukuran ini dilaksanakan setiap kuartal, atau dalam beberapa kasus, secara semi-tahunan. Dari sekian banyak pencapaian yang dihasilkan pada periode pelaporan ini, beberapa diantaranya yang termasuk dalam hasil tingkat tinggi proyek adalah sebagai berikut:

- HR-1: The number of people that gained access to improved water supply reached 2,246,005 or 112.30% of the targeted amount (as of September 2015).
 - HR-2: The number of people that gained access to improved sanitation services reached 256,055 or 102.42% of the targeted amount (as of September 2015).
 - HR-3: The per unit water cost paid by poor in targeted communities decreased by 57% per current survey data and which is the targeted decrease of 20% (as of September 2015).
 - HR-4: The number of participants in IUWASH-sponsored trainings reached 89,566 or 119.42% of the targeted amount (as of September 2015).
- HR-1: Jumlah masyarakat yang telah memiliki akses ke sumber air bersih yang lebih baik mencapai 2,246,005 or 112.30% dari jumlah yang ditargetkan (per September 2015);
 - HR-2: Jumlah masyarakat yang telah memiliki akses ke pelayanan sanitasi yang lebih baik mencapai 256,055 or 102.42% dari jumlah yang ditargetkan (per September 2015);
 - HR-3: Biaya air per unit yang dibayar oleh masyarakat miskin di masyarakat sasaran telah menurun hingga 57% per data survey yang ada saat ini dan melebihi penurunan yang ditargetkan, yaitu 20% (per September 2015);
 - HR-4: Jumlah peserta pelatihan yang disponsori IUWASH mencapai 89,566 or 119.42% dari jumlah yang ditargetkan (per September 2015).

Much additional information on the above and on all of the project's other targeted outcomes is available in Annex.

Partnerships

Throughout the reporting period, IUWASH continued to expand and build upon relationships with central government agencies, local governments, service providers, donors, the private sector and CSOs in all work areas. Among many examples, notable work with other institutions included collaboration with:

- BAPPENAS through the on-going guidance and support it provides through its leadership of the project's Tim Teknis (Steering Committee) and multiple other forums.
- Ministry of Public Works on PDAM performance improvement, energy efficiency audits, long-term finance, and multiple areas related to sanitation development.
- Ministry of Health on improved approaches to sanitation and hygiene promotion.
- Ministry of Finance on support of PDAM debt restructuring and long-term finance.
- Ministry of Home Affairs as concern local government policy and institutional development.
- BPPSPAM on issues related to PDAM performance monitoring and long-term finance.

Beberapa informasi mengenai pencapaian-pencapaian diatas dan pencapaian lain yang ditargetkan dari proyek tersedia pada Lampiran.

Kemitraan

Selama periode pelaporan ini, IUWASH terus memperluas dan membangun hubungan dengan mitra kunci di antara instansi pemerintah pusat, pemerintah daerah dan penyedia layanan donor sektor swasta serta organisasi masyarakat sipil di seluruh wilayah kerja. Diantara banyak contoh, kegiatan signifikan dengan lembaga lain termasuk bekerja sama dengan:

- BAPPENAS melalui bimbingan dan dukungan secara terus menerus melalui kepemimpinan dari Tim Teknis proyek (Steering Committee) dan beberapa forum lainnya
- Kementerian Pekerjaan Umum pada peningkatan kinerja PDAM, audit efisiensi energi, pembiayaan jangka panjang dan berbagai area yang berkaitan dengan pengembangan sanitasi
- Kementerian Kesehatan pada pengembangan pendekatan dalam mendukung promosi sanitasi dan kesehatan
- Kementerian Keuangan pada dukungan restrukturisasi hutang PDAM dan pendanaan jangka panjang
- Kementerian Dalam Negeri terkait kebijakan pemerintah daerah dan pengembangan institusional
- BPPSPAM mengenai persoalan yang berkaitan kepada pengawasan kinerja dan pembiayaan jangka panjang PDAM

- PERPAMSI, the Indonesia association of water utilities on overall capacity building.
- Perhutani/PTPN, the state run forestry agency, on the recharge of critical aquifers.
- World Bank/WSP on urban septage management.
- ADB on a wide range of areas in both water supply and sanitation development.
- The Dutch-funded Urban Sanitation Development Program-II (USDP-II).
- Australia/DFAT on several areas of mutual interest under the IndII program.
- Coca-Cola Foundation Indonesia in the of area aquifer recharge.
- Water.Org, Bank Syariah Mandiri (BSM) and Bank Rakyat Indonesia (BRI) on microfinance programming for low-income (MBR) households.
- Several other USAID offices and programs.
- PERPAMSI, Persatuan Penyedia Air Minum (PDAM) Seluruh Indonesia pada pengembangan kapasitas
- Perhutani/PTPN, Perusahaan Hutan Negara Indonesia, tentang pengisian kembali
- Bank Dunia/WSP pada Pengelolaan Limbah Perkotaan.
- ADB pada berbagai bidang pada sektor persediaan air dan pengembangan sanitasi;
- Urban Sanitation Development Program (USDP) yang didanai oleh pemerintah Belanda;
- Australia/DAFT pada beberapa area dengan perhatian yang sama dibawah program IndIII;
- Coca-Cola Foundation Indonesia pada sektor akuifer resapan;
- Water.Org, Bank Syariah Mandiri (BSM) dan Bank Rakyat Indonesia (BRI) dalam pemrograman mikro-kredit bagi rumah tangga masyarakat berpenghasilan rendah (MBR);
- Beberapa program serta perwakilan USAID lain.

As concerns specific programmatic areas which contribute to overall IUWASH progress these are divided into four main areas: (i) water supply; (ii) sanitation; (iii) crosscutting areas; and (iv) grants. Specific progress under each programmatic area is detailed below.

Water Supply (WS) Programs

One of the primary objectives of IUWASH is to increase access to improved water for two million people. This involves supporting local water utilities (PDAMs) in improving their overall operational issues, as well as addressing important concerns related to governance, customer feedback, raw water availability, long-term finance, and similar areas. Some highlights during the quarter include:

- IUWASH completed Energy Efficiency Audit (EEA) guidelines with the USAID Indonesia Clean Energy Development Project (ICED) and MPWH. The guidelines were adopted by the GOI during a workshop on energy efficiency held in February 2015 and were subsequently used as basis for a "Roadmap on Alternative Financing for NRW Reduction and Efficiency Energy"..

Sedangkan yang berhubungan dengan area program khusus yang turut berkontribusi dalam perkembangan IUWASH secara keseluruhan terbagi dalam empat area utama: (i) persediaan air; (ii) sanitasi; (iii) area lintas sektor dan (iv) hibah. Perkembangan secara spesifik dari setiap area program dijelaskan secara detail di bawah ini.

Program Persediaan Air Bersih/Water Supply (WS)

Salah satu tujuan utama IUWASH adalah untuk meningkatkan akses ke air bersih yang lebih baik untuk 2 juta orang. Hal ini melibatkan para PDAM pendukung dalam menanggulangi permasalahan operasional mereka secara keseluruhan, serta menangani masalah penting yang berkaitan dengan tata kelola, keluhan pelanggan, ketersediaan air baku, pembiayaan jangka panjang dan area serupa. Beberapa sorotan dari Kuartal ini termasuk:

- IUWASH telah menyelesaikan Pedoman Audit Efisiensi Energi (*Energy Efficiency Audit/EEA*) bersama dengan proyek USAID Pengembangan Energi bersih Indonesia (*Indonesia Clean Energy Development/ICED*) dan MPWH. Pedoman ini diadopsi oleh Pemerintah Indonesia pada lokakarya efisiensi energi yang diadakan pada bulan February 2015 yang kemudian digunakan sebagai dasar untuk "Roadmap Pembiayaan Alternatif untuk Pengurangan Air Tidak Berekoning (*Non Revenue Water/NRW*) dan Efisiensi Energi".

- IUWASH completed “Best Practice and Lesson Learned of Efficiency Energy” based on experience with eight (8) PDAMs.
- Energy Efficiency Audits and other related activities completed with 10 PDAMs and ongoing in 4 PDAM; NRW Reduction programs are ongoing in 23 PDAMs, to be completed in PY6.
- By the end of PY5, completed 17 Master Meter programs, including in Sidoarjo (4 systems), Tangerang (3), Sibolga (4), Surakarta (1) and Surabaya (5) with an additional four (4) ongoing in DKI Jakarta and which are being undertaken in collaboration with ADB, PAM Jaya, AETRA and Palyja.
- In Quarter 3 of PY 5, Master Meter systems for Surabaya were inaugurated by Ibu Risma, Mayor of Kota Suarabaya, who highly appreciated IUWASH support to improve access to clean water for poor communities in Surabaya and urged community groups to maintain the systems.
- Micro finance for water supply continued with 19 PDAM in all IUWASH regions with the total of microfinance beneficiaries reaching 24,680 people (4,936 water connection) by the end of PY5.
- Baseline Climate Change Vulnerability Assessments (CCVAs) were completed for all 20 target locations and final reports were completed for 8 of these.
- Completed a total of 3,403 infiltration pond by the end of PY5. This includes 3,118 that were funded by Coca-Cola Foundation Indonesia (CCFI) in Sibolangit, Pematang Siantar, Kabupaten Mojokerto, Kota Salatiga, Kabupaten Semarang and Kabupaten Malang. This figure also includes 285 infiltration ponds constructed with IUWASH funding in Pematang Siantar, Kab. Batang, Kab. Probolinggo and Kota Batu, as well as many others on-going in Kabupaten Bantaeng (South Sulawesi) and Serang (Banten), the latter of which also accesses private sector CSR funding. IUWASH further began supporting Nestle with assistance in developing a similar program for a site in East Java.
- IUWASH telah menyelesaikan "Best Practice dan Pembelajaran Efisiensi Energi" yang berdasarkan pengalaman dengan delapan (8) PDAM.
- Audit Efisiensi Energi dan kegiatan terkait lainnya telah dilakukan di 10 PDAM dan berkelanjutan di 4 PDAM; Program Pengurangan NRW sedang berlangsung di 23 PDAM, diperkirakan selesai pada PY6.
- Pada akhir PY5, 17 program Master Meter telah diselesaikan, termasuk di Sidoarjo (4 sistem), Tangerang (3), Sibolga (4), Surakarta (1) dan Surabaya (5) dengan tambahan empat (4) sistem yang sedang berlangsung di DKI Jakarta dengan bekerja sama dengan ADB, PAM Jaya, AETRA dan Palyja.
- Pada Kuartal ketiga dalam PY5, sistem Master Meter di Surabaya diresmikan oleh Walikota Surabaya, Ibu Tri Rismaharini, yang sangat menghargai dukungan IUWASH dalam meningkatkan akses air bersih kepada masyarakat miskin di Surabaya dan mendesak kelompok masyarakat di Surabaya untuk memelihara sistem tersebut.
- Mikro kredit untuk persediaan air masih berlanjut di 19 PDAM di seluruh wilayah IUWASH dengan total penerima manfaat mikro kredit mencapai 24.680 penerima manfaat (4,936 sambungan baru PDAM) pada akhir PY5.
- Penilaian Kerentanan Perubahan Iklim (*Climate Change Vulnerability Assessment/CCVA*) dasar dilaksanakan di semua 20 target lokasi dan delapan laporan akhir dari kegiatan ini telah diselesaikan.
- Sebanyak 3.403 sumur resapan telah selesai dibangun hingga akhir PY5. Jumlah ini termasuk 3,118 diantaranya yang dibiayai oleh Coca-Cola Foundation Indonesia (CCFI) di Sibolangit, Pematang Siantar, Kabupaten Mojokerto, Kota Salatiga, Kabupaten Semarang dan Kabupaten Malang. Angka tersebut juga termasuk 285 sumur resapan yang dibangun dengan biaya IUWASH di Pematang Siantar, Kabupaten Batang dan Probolinggo serta Kota Batu, dan beberapa lainnya yang masih berlangsung seperti di Kabupaten Bantaeng (Sulawesi Selatan) serta Serang (Banten) yang mana juga melibatkan pihak swasta melalui pembiayaan TSLP. IUWASH juga mulai mendukung Nestle dalam mengembangkan program serupa di Jawa Timur.

- Completed the first draft of a Climate Change toolkit and support materials that will be tested in the beginning of PY6.
- Completed a total of nine (9) Capital Finance projects that will provide water to close to an estimated 350,000 and began focusing on eight (8) remaining Capital Finance opportunities.
- Began more intense lobbying with Local, Provincial and Central Government agencies for APBN and APBD budget support in light of the lapse of PerPres29 and legal uncertainty regarding PPP.
- Conducted classroom and on-the-job training, developed Detailed Engineering Designs (DEDs) and mobilized finance for 13 PDAMs to improve distribution network performance; and further assisted 14 PDAMs with respect to increasing production capacity;
- Also supported 38 PDAM on introducing GIS / MIS systems to improve water supply services and overall utility performance.
- Supported and neared completion of 34 PDAM Corporate Plans and 26 water tariff adjustments. Also, assisted Ministry of Finance in the development of tools to monitor PDAM progress against debt restructuring targets.
- Completed Credit Worthiness Ladder (CWL) exercises for 37 PDAM across all 5 IUWASH regions. For 18 PDAMs, the rating was stable, and for 21 PDAMs, their credit rating increased compared to the baseline.
- Menyelesaikan draf pertama dari *toolkit* dan bahan pendukung Perubahan Iklim yang akan diuji coba pada awal PY6.
- Menyelesaikan sembilan (9) proyek Pembiayaan Modal (*Capital Finance*) secara total yang akan dapat menyediakan air kepada sekitar 350.000 penerima manfaat dan mulai berfokus pada delapan (8) peluang *Capital Finance* lainnya.
- Memulai lobi secara intens dengan Pemda, Pemprov dan Pemerintah Pusat untuk dukungan anggaran dari APBN dan APBD akibat kegagalan PerPres29 dan ketidakjelasan hukum mengenai PPP.
- Menyelenggarakan pelatihan, baik kelas ataupun *on-the-job*, mengembangkan *Detailed Engineering Design* (DED) dan memobilisasi keuangan untuk 13 PDAM dalam meningkatkan kinerja jaringan distribusi; dan selanjutnya membantu 14 PDAM dalam meningkatkan kapasitas produksi.
- Mendukung 38 PDAM dalam memperkenalkan sistem GIS/MIS untuk meningkatkan pelayanan penyediaan air bersih dan kinerja PDAM secara keseluruhan.
- Mendukung dan mendekati penyelesaian Rencana Perusahaan dari 34 PDAM dan 26 penyesuaian tarif air. Juga mendukung Kementerian Keuangan dalam pengembangan alat pemantau kinerja PDAM terhadap target restrukturisasi utang.
- Menyelesaikan pelatihan Kelayakan Tangga Kredit (*Credit Worthiness Ladder/CWL*) untuk 37 PDAM di kelima daerah kerja IUWASH. Delapan Belas PDAM diantaranya mendapatkan penilaian stabil, sedangkan 21 PDAM lainnya mengalami kenaikan penilaian kredit di atas garis dasar mereka.

Sanitation (SAN) Programs

Another key objective of IUWASH is to increase access to safe sanitation for 250,000 people, which involves supporting local governments on a range of activities—from the promotion of individual, communal and citywide systems, to putting in place the institutional support structures upon which such systems depend. The following summarizes main achievements and progress registered in this area during the reporting period, including:

- Finalized an Urban Sanitation Promotion Guide that sets forth an approach for applying

Program Sanitasi (SAN)

Tujuan utama lain dari IUWASH adalah untuk meningkatkan akses kepada sanitasi yang aman untuk 250.000 penduduk, yang melibatkan dukungan dari pemerintah daerah dalam berbagai kegiatan - mulai dari promosi sistem sanitasi individu, komunal dan seluruh kota, hingga membangun sistem serta struktur pendukung dimana sistem tersebut bergantung. Berikut adalah ringkasan pencapaian utama dan kemajuan yang tercatat dalam program sanitasi selama periode pelaporan, yaitu:

- Finalisasi Panduan Promosi Sanitasi Perkotaan yang mengedepankan pendekatan penerapan

the MOH's STBM program in an urban setting and that was endorsed by all key IUWASH partners (Bappenas, MOH, PU, etc.). The Guide is being widely shared with GOI staff and IUWASH partners and will be the subject of a specific TOT program to be conducted in PY6.

- Produced a number of videos and IEC materials in support of urban sanitation promotion and began making these available to program partners, as well as to MCAI and private sector service providers in support of their own BCC activities.
- Regularly coordinated with MoH and provided specific input into program planning, development and monitoring initiatives.
- Continued to support micro-finance programming in 23 LG locations to improve access to finance for household sanitation, especially in support of small-scale construction contractors that often require financial assistance to effectively service sanitation customers.
- Ongoing collaboration with PPLP on SANIMAS field work and which especially targeted improvements in utilization as well as long-term operation and maintenance.
- Provided support to SANIMAS/IDB during the program's preparatory phase and as concerns capacity building plans for those CBOs that will eventually be in charge of the management and maintenance of these communal systems. The start of this IDB activity has been delayed.
- Joint presentation with PPLP of the Ministry of Public Works and Housing with respect to the sustainability of communal sanitation systems.
- Continued to support the promotion of household connections to off-site, small-scale and citywide sewerage systems, which are financed through APBN, INDII/sAIIG and APBD. In some cases this further involved technical design support.
- Supported the GOI in establishing lists of appropriate LG recipients of national budget (APBN) funding in support of wastewater related infrastructure for 2016.
- Supported 'tailor-made' approaches for revitalizing community-based desludging services in Belawan (in North Sumatra) and Pademangan (in North Jakarta).
- program STBM dari Kementerian Kesehatan di perkotaan dan didukung oleh semua mitra kunci IUWASH (Bappenas, Menkes, PU, dll). Panduan tersebut telah dibagikan kepada staff Pemerintah Pusat dan mitra IUWASH dan akan menjadi subyek dari program TOT khusus yang akan dilaksanakan pada PY6.
- Memproduksi berbagai video dan bahan KIE dalam dalam mendukung promosi sanitasi perkotaan dan menawarkannya kepada mitra program serta MCAI dan penyedia layanan sektor swasta dalam mendukung kegiatan BCC mereka sendiri.
- Berkoordinasi secara teratur dengan Kemenkes dan memberikan masukan spesifik dalam perencanaan, pengembangan dan inisiatif pemantauan program.
- Dukungan berkelanjutan dalam program mikro kredit di 23 pemerintah daerah untuk meningkatkan akses pembiayaan sanitasi rumah tangga, terutama dalam mendukung kontraktor konstruksi skala kecil yang sering membutuhkan bantuan keuangan untuk melayani pelanggan sanitasi secara efektif.
- Kerjasama berkelanjutan dalam kerja lapangan dengan PPLP dan SANIMAS, terutama yang berhubungan dengan peningkatan dalam pemanfaatan serta pengoperasian dan pemeliharaan jangka panjang.
- Mendukung SANIMAS/IDB selama tahap persiapan program dan yang berkaitan dengan pembangunan kapasitas bagi KSM yang nantinya akan bertanggung jawab atas pengelolaan dan pemeliharaan sistem komunal. Permulaan kegiatan IDB telah ditunda.
- Presentasi bersama dengan PPLP Kementerian Pekerjaan Umum dan Perumahan Rakyat sehubungan dengan keberlanjutan sistem sanitasi komunal.
- Dukungan berkelanjutan dalam promosi sambungan rumah tangga ke sistem pembuangan limbah off-site, skala kecil dan perkotaan, yang dibiayai melalui APBN, INDII / sAIIG dan APBD. Dalam beberapa kasus, lebih berfokus dalam dukungan desain teknis.
- Mendukung Pemerintah Pusat dalam membuat daftar Pemda penerima pendanaan APBN sebagai dukungan pembangunan infrastruktur pembuangan limbah untuk tahun 2016.
- Mendukung pendekatan yang "d disesuaikan" dalam merevitalisasi pelayanan penyedotan air limbah berbasis masyarakat di Belawan (Sumatera Utara) dan Pademangan (Jakarta Utara).

- IUWASH contributions to the development by USAID/W of regular desludging guidelines and in their translation and application for use in Indonesia.
- Supported four Integrated Septage Management pilot programs in DKI Jakarta, Bogor, Makassar, and Surakarta.
- Several meetings with the Ministry of Public Works and Housing were held to disseminate the IUWASH approach of UPTD-PAL establishment and development, and further agreed to include related materials in the curriculum of the Ministry's national training center.
- Began the development of a template for UPTD-PAL Standard Operating Procedures (SOP) that can be readily adapted by local partners as they define their own procedures.
- Continued development of a 'Sanitation Toolkit' in five volumes, include: (i) Development of Sanitation Road Map, (ii) Establishment of an 'Enabling Environment', (iii) Development of Operational Capacities, (iv) Technical Waste Water Management Options, and (v) Urban Sanitation Promotion. A first draft was presented to Bappenas and PPLP with further coordination meetings following.
- Supported multiple events related to septage management throughout the year, including participation by key partners at international conferences and a wide range knowledge sharing events.
- IUWASH berkontribusi dalam pengembangan pedoman layanan lumpur tinja terjadwal oleh USAID/W dalam penerjemahan dan penerapan untuk digunakan di Indonesia.
- Mendukung empat program uji coba Pengelolaan Lumpur Tinja Terintegrasi di DKI Jakarta, Bogor, Makassar dan Surakarta.
- Beberapa pertemuan dengan KemenPUPR diadakan untuk menyebarkan pendekatan IUWASH dalam pembentukan dan pengembangan UPTD-PAL, serta menyepakati penyertaan bahan terkait dalam kurikulum pusat pelatihan nasional KemenPUPR.
- Memulai pengembangan contoh Standar Operasi Prosedur UPTD-PAL yang siap diadaptasi oleh mitra daerah sebagai pedoman mereka.
- Melanjutkan pengembangan Sanitation Toolkit dalam lima volume, yang meliputi: (i) Pengembangan Road Map Sanitasi, (ii) Pembentukan "Lingkungan Pendukung", (iii) Pengembangan Kapasitas Operasional, (iv) Pilihan Pengelolaan Limbah Teknis dan (v) Promosi Sanitasi Perkotaan. Draf pertama telah disampaikan kepada Bappenas dan PPLP dan akan dibahas lebih lanjut dalam rapat koordinasi.
- Mendukung berbagai kegiatan terkait pengelolaan air limbah yang dilaksanakan sepanjang tahun, termasuk partisipasi oleh mitra utama pada konferensi tingkat internasional dan berbagai kegiatan berbagi pengetahuan.

Crosscutting (CC) Programs

While the division between water supply and sanitation is often quite clear, there are likewise many programs of common concern to each. These are grouped under the heading of "Crosscutting Programs" and for which highlights during the reporting period include:

- During the last part of PY5, the project reached is target of having 50 cities enact at least one new sector policy. This included the enactment of 12 policies in the final quarter of PY5 and which brings the total number of policies developed and enacted under IUWASH to 87.

Program Lintas Sektor/Crosscutting Programs (CC)

Walaupun pembagian antara penyediaan air dan sanitasi terlihat jelas, namun banyak program dimana keduanya saling berhubungan. Program-program ini dikelompokkan dalam "Program Lintas Sektor" atau "Crosscutting Programs" dimana pada periode pelaporan ini telah menuai berbagai keberhasilan sebagai berikut:

- Selama bagian terakhir PY5, proyek telah mencapai target 50 kota yang memberlakukan setidaknya satu kebijakan sektor baru. Hal ini termasuk diberlakukannya 12 kebijakan pada kuartal akhir PY5 dan menambah jumlah total kebijakan yang dikembangkan dan diundangkan di bawah IUWASH menjadi 87 kebijakan.

- IUWASH continued to conduct advocacy to LG partners regarding sector budget allocations. By the end of PYU5, 49 LGs showed increased APBD allocations to support improvements in water supply and sanitation service delivery.
- By the end of PY5, a total of fourteen IUWASH-assisted cities had developed or dramatically improved sector-relevant Citizen Engagement Mechanisms (CEMs). This figure includes 11 cities that completed this work in PY5. Typical CEM include: websites, radio programs, complaint handling units, and SMS Gateways.
- In PY5, the IUWASH gender mainstreaming program continued to progress in the implementation of Gender Responsive Planning and Budgeting (PPRGs) programs in Kota Tebing Tinggi, Kabupaten Malang, Kabupaten Jombang and Kabupaten Maros. Currently, all of these LG partners have developed GAP, GBS and SOW documents for various gender-related watsan program activities that will inform the development of APBD budgets for FY 2016. The documentation of lessons learned from gender pilot programs also began in the fourth quarter of PY5. The project's work with PKK in sanitation programming in DKI Jakarta and Kab. Bandung has likewise shown good progress.
- Significant progress was made in the realm of CSR, including with CCFI through the completion of 3,403 infiltration ponds in Kota Sibolangit, Kabupaten Pematang Siantar, Kabupaten Mojokerto, Kota Salatiga, Kabupaten Semarang and Kabupaten Malang. This figure includes 285 infiltration ponds constructed with IUWASH funding in Pematang Siantar, Kabupaten Batang, Kabupaten Probolinggo dan Kota Batu. Total funding leveraged from CCFI is approximately US\$ 1 million. In addition, the project advanced in the strengthening of seven (7) local government CSR forums.
- IUWASH terus melakukan advokasi kepada Pemda mitra mengenai alokasi anggaran sektor. Pada akhir PU5, 49 Penda menunjukkan peningkatan alokasi APBD untuk mendukung peningkatan dalam pelayanan ari bersih dan sanitasi.
- Pada akhir PY5, total 14 kota yang dibantu IUWASH telah mengembangkan atau memperbaiki Mekanisme Perlibatan Masyarakat (Citizen Engagement Mechanisms/CEMs) secara drastis. Angka ini termasuk 11 kota yang telah selesai menerapkannya pada PY5. Beberapa bentuk CEM diantaranya adalah: situs internet, program radio, unit penanganan keluhan dan SMS Gateway.
- Pada PY5, program pengarusutamaan jender IUWASH terus mengalami kemajuan dalam pelaksanaan program Perencanaan dan Penganggaran Responsif Gender (PPRG) di Kota Tebing Tinggi, Kabupaten Malang, Kabupaten Jombang dan Kabupaten Maros. Saat ini semua mitra Pemda tersebut telah mengembangkan dokumen GAP, GBS dan SOW untuk berbagai kegiatan program air dan sanitasi terkait gender yang akan menjabarkan pengembangan anggaran APBD untuk TA 2016. Dokumentasi pelajaran dari program uji coba gender juga telah dimulai pada kuartal keempat PY5. Kerjasama proyek dengan kelompok PKK dalam program sanitasi di DKI Jakarta dan Kab. Bandung juga telah menunjukkan kemajuan yang baik.
- Kemajuan yang signifikan terjadi di sektor TSLP/CSR, termasuk dengan CCFI melalui penyelesaian 3.403 sumur resapan di Kota Sibolangit, Kabupaten Pematang Siantar, Kabupaten Mojokerto, Kota Salatiga, Kabupaten Semarang dan Kabupaten Malang. Angka ini termasuk 285 sumur resapan yang dibangun dengan dana IUWASH di Pematang Siantar, Kabupaten Batang, Kabupaten Probolinggo dan Kota Batu. Total dana yang dialokasikan CCFI adalah sekitar US\$ 1 juta. Selain itu, proyek juga berperan dalam penguatan forum TSLP/CSR di tujuh Pemerintah Daerah.

Grants Program

During the course of the reporting period, the Grants Program was focused on the successful completion and administrative close-out of several grant programs and monitoring of several remaining ones that are in their final stages of

Program Hibah

Selama periode pelaporan ini, Program Hibah berfokus pada pemberian hibah terakhir di bawah program dan penutupan dari beberapa yang lain. Program hibah IUWASH mendukung berbagai kegiatan, termasuk kegiatan sanitasi masyarakat,

completion. IUWASH grant programs support a wide variety of activities, including communal sanitation activities, UPTD establishment, Citizen Engagement Mechanism (CEM) development, Master Meter programming, and micro-credit for sanitation.

Plans for the Next Quarter

The next Quarter will be the first in the project's final year of PY6, during which IUWASH will continue to both implement quality programs among its partner local governments and inform national level policy. Special effort will focus on the orderly close-out and handover of activities with special emphasis on ensuring to the maximum extent possible the sustainability of program interventions by the project's many partners.

pembentukan UPTD, pengembangan Mekanisme Keterlibatan Warga/Citizen Engagement Mechanism (CEM), Program Master Meter dan kredit-mikro untuk sanitasi.

Rencana Untuk Kuartal Berikutnya

Kuartal yang akan datang merupakan kuartal pertama dalam tahun terakhir proyek (PY6), dimana IUWASH akan terus menerapkan program berkualitas kepada pemerintah daerah mitra dan menyulahi kebijakan tingkat nasional. Upaya khusus akan berfokus pada penutupan dan penyerahan kegiatan secara tertib dengan penekanan khusus dalam memastikan keberlanjutan intervensi program dengan mitra-mitra proyek secara maksimal.

LIST OF ABBREVIATIONS AND ACRONYMS

The following is a list of abbreviations and acronyms commonly used in this report and on the project as a whole.

ADB	Asian Development Bank
AIDAR	Agency for International Development Acquisition Regulations
Akatirta Wiyata	Akademi Teknik Tirta Wiyata/Tirta Wiyata Technical Academy
AMPL	Air Minum dan Penyehatan Lingkungan/Drinking Water and Environmental Health
APBD	Anggaran Pendapatan dan Belanja Daerah/Local Government Budget
APBN	Anggaran Pendapatan dan Belanja Negara/National Government Budget
AKOPSI	Aliansi Kota Peduli Sanitasi/Alliance of Cities Concerned about Sanitation
AusAID	Australian Agency for International Development
Bappeda	Badan Perencanaan dan Pembangunan Daerah/Local Development Planning Agency
Bapermas	Badan Pemberdayaan Masyarakat
Bappenas	Badan Perencanaan dan Pembangunan Nasional/National Development Planning Agency
Bawasda	Badan Pengawas Daerah/Regional Supervisory Board
BCC	Behavior Change Communications
BJB	PT Bank Pembangunan Daerah Jabar Banten/Regional Development Bank of West Java and Banten
BKM	Badan Keswadayaan Masyarakat/civil society organization
BNI	Bank Nasional Indonesia
BPKP	Badan Pengawasan Keuangan dan Pembangunan/Finance and Development Audit Board
BPRS	Bank Pembiayaan Rakyat Syariah/Sharia Rural Bank
BRI	Bank Rakyat Indonesia
BSM	Bank Syariah Mandiri
BTPN	Bank Tabungan Pensiunan Nasional/National Pensioners' Savings Bank
C1	Component One
C2	Component Two
C3	Component Three
CBO	Community-Based Organization
CC	Climate Change
CCVA	Climate Change Vulnerability Assessment
CEM	Citizen Engagement Mechanism
CJ	Central Java
CLTS	Community Led Total Sanitation
COP	Chief of Party
COR	Contracting Officer's Representative
CSO	Civil Society Organization
CSR	Corporate Social Responsibility
CSS	Citywide Sanitation Strategy
CWL	Creditworthiness Ladder
DAI	Development Alternatives Inc. (IUWASH prime contractor)
DAK	Special Allocation Fund
DD	Diarrheal Disease
DED	Detailed Engineering Design
DEWATS	Decentralized Wastewater Treatment Systems
DCOP	Deputy Chief of Party
DPIU	District Project Implementation Unit
DPRD	Dewan Perwakilan Rakyat Daerah/Local House of Representatives
EJ	East Java
ECO-Asia	Environmental Cooperation – Asia (USAID)
EE	Enabling Environment (for improved service delivery, Component 3)
EMMP	Environmental Mitigation and Monitoring Plan
ESP	Environmental Services Program (USAID)
FTL	Field Technical Liaison

GCM	Global Circulation Model
GEC	Grant Evaluation Committee
GIS	Geographic Information Systems
GUC	Grants under Contract
HWWS	Handwashing with Soap
HH	Household
IBL	Indonesia Business Links
IC	Improved Capacity (for service delivery, Component 2)
ICED	Indonesia Clean Energy Development Project (USAID)
IEE	Initial Environmental Examination
IndII	Indonesia Infrastructure Initiative (AusAID)
IPA	Instalasi Pengelolaan Air Minum/Water Treatment Plan
IR	Intermediate Result
ISSDP	Indonesia Sanitation Sector Development Program
ITS	Surabaya Technology Institute
IUWASH	Indonesia Urban Water, Sanitation, and Hygiene
JICA	Japan International Cooperation Agency
KSM	Kelompok Swadaya Masyarakat (Community-based Group)
KSR	Kupedes untuk Sambungan Rumah/Rural Development Credit for Household Connections
Kupedes	Kredit Umum Pedesaan/Village Credit
LG	Local Government
LPS	Liters per Second
M&E	Monitoring and Evaluation
MBR	Masyarakat Berpenghasilan Rendah/Low-income communities
MC	Microfinance Specialist
MCK++	Mandi Cuci Kakus plus plus/Bathe, Wash, Latrine “plus plus”
MD	Mobilized Demand (for improved service delivery, Component 1)
MFI	Microfinancing Institution
MLD	PT. Mitra Lingkungan Dutaconsult (IUWASH subcontractor)
MOF	Kementerian Keuangan/Ministry of Finance
MOFA	Kementerian Luar Negeri/Ministry of Foreign Affairs
MOH	Kementerian Kesehatan/Ministry of Health
MOHA	Kementerian Dalam Negeri/Ministry of Home Affairs
MPSS	Memorandum Program Sektor Sanitasi/Sanitation Sector Programme Memorandum
MPW	Kementerian Pekerjaan Umum/Ministry of Public Works
MoU	Memorandum of Understanding
MSMHP	Metropolitan Sanitation Management and Health Project
Musrenbang	Musyawarah Perencanaan Pembangunan/Development Planning Consultation process
NGO	Nongovernmental Organization
NRW	Non-Revenue Water
O&M	Operations and Maintenance
PDAM	Perusahaan Daerah Air Minum/Local Drinking Water Company
Pefindo	Pemeringkat Efek Indonesia (Rating Firm)
PEMDA	Pemerintah Daerah/Local Government
PERPAMSI	Persatuan Perusahaan Air Minum Seluruh Indonesia/Union of Indonesian Water Supply Enterprises
Perbup	Peraturan Bupati/Regent Regulation
Perpres	Peraturan Presiden/Presidential Regulation
Perwal	Peraturan Walikota/Mayor Regulation
PII	Penjaminan Infrastruktur Indonesia/Indonesia Infrastructure Assurance
PKK	Pemberdayaan Kesejahteraan Keluarga/Family Welfare Empowerment
PKS	Perjanjian Kerja Sama/Cooperation Agreement
PMK	Peraturan Menteri Keuangan/MOF Decree
PMP	Performance Monitoring Plan

PNPM Mandiri	Program Nasional Pemberdayaan Masyarakat Mandiri/National Program for Community Self-Empowerment
Pokja	Kelompok Kerja/Working Group
Pokja PUG	Pokja Pengarusutamaan Gender/Gender Mainstreaming Working Group
Pokja-San	Kelompok Kerja Sanitasi/Sanitation Working Group
Posyandu	Pos Pelayanan Terpadu/Integrated (health) Services Post
POU	Point of Use
PPKM	Program Peningkatan Keberdayaan Masyarakat/Increased Community Empowerment Program
PPP	Public Private Partnership
PPRG	Perencanaan dan Penganggaran Responsif Gender
PPSP	Percepatan Pembangunan Sanitasi Perkotaan/Accelerated Urban Sanitation Development
PTI	Participant Training Information
PU	Pekerjaan Umum/Ministry of Public Works
QPR	Quarterly Progress Report
RAD	Rencana Aksi Daerah/Local Action Plan
RP	Indonesian Rupiah
RT	Rukun Tetangga/Neighborhood Association
RW	Rukun Warga/Community Association, equal to Ward
Sanimas	Sanitasi Berbasis Masyarakat/Community-Based Sanitation
SDG	Sanitation Donor Group
SLBM	Sanitasi Lingkungan Berbasis Masyarakat/Community-Based Environmental Sanitation
SME	Small and Medium Enterprises
SMI	Sarana Multi Infrastruktur (Infrastructure finance intermediary)
SNI	Standard Nasional Indonesia (Indonesian National Standard)
SOP	Standard Operating Procedures
SOW	Scope of Work
SS/EI	South Sulawesi and Eastern Indonesia
SSK	Strategi Sanitasi Kota/Citywide Sanitation Strategy (see CSS)
SSLT	Sludge Service System
STBM	Sanitasi Total Berbasis Masyarakat/Community-Based Total Sanitation
STTA	Short Term Technical Assistance
TA	Technical Assistance
TAMIS	Technical and Administrative Management Information System
TMG	The Manoff Group (IUWASH subcontractor)
UPTD	Unit Pelaksana Teknis Daerah/Regional Technical Unit
USAID	United States Agency for International Development
US\$	United States dollars
USDP	Urban Sanitation Development Program
USRI	Urban Sanitation and Rural Infrastructure
WASPOLA	Water Supply and Sanitation Policy Formulation and Action Planning
Watsan	Water and Sanitation
WES	Water, Environment, and Sanitation
WRM	Water Resource Management
WSP	Water and Sanitation Program (World Bank)
WTP	Water Treatment Plant
WWTP	Wastewater Treatment Plant
YLKI	Yayasan Lembaga Konsumen Indonesia/Indonesian Consumer Institute Foundation

COVER STORY

Five 'Master Meters' System Benefit 260 Households in Surabaya City

Traditional Javanese song was playing when the USAID/Washington Assistant Administrator for Legislative and Political Affairs (AA/LPA), Chuck Cooper, and Deputy AA/LPA, Barbara Feinstein accompanied by the Mission Director of USAID Indonesia, Andrew Sisson and USAID IUWASH team arrived in Greges Gang Dalam of Kelurahan Tambak Sarioso, Surabaya on August 20, 2015. The group looked as much exciting as the beneficiaries of newly installed piping water connection through 'master meter' system when they greeted each other.

Greges Gang Dalam settlement is one of selected locations where the master meter program was conducted in the neighborhood of Kelurahan Ketabang, Genteng Sub-district, Surabaya. There are

two master meters installed in Greges Gang Dalam to serve 140 household connections. The other three master meters serving in total 120 households were also installed in the neighborhoods i.e. Legundi Street 11, Kanginan Street 4 and Undaan Street 10-III. People in those areas often find difficulties to get clean water because they reside along the railroad banks which is PT. Kereta Api Indonesia (KAI)'s property and PDAM Surya Sembada are not permitted to construct a distribution pipeline in the areas.

The installation of the five master meters was initiated by USAID IUWASH in collaboration with PDAM Surya Sembada Surabaya as an alternative for low income communities living outside PDAM distribution coverage area. The Mayor of Surabaya, Tri Rismaharini inaugurated those five master meter systems on May 19, 2015 and remarked that PDAM Surabaya should replicate the initiative to serve more people.

One of the master meter beneficiaries in Greges Gang Dalam, Ari shared her gratitude to the visitors group. "Now that we have piping water connection at home, we become more exciting to start the day. Clean water really eases our daily needs of cooking, bathing and washing. It makes our life more healthy, excited and productive." said Ari answering Chuck Cooper's question.

Meanwhile, Abdul Shomad who is assigned by his neighbors as chief of community based organization/ CBO Tirto Makmur 2 explained his experience, "There are two CBOs to manage two master meters in Greges Gang Dalam. In my area, one master meter serves 71 household connections. While in CBO Tirto Makmur 1 area, one master meter serves 69 connections. As CBO chief, I oversee master meter usage, connections problem and collect monthly water bill. My team and I always advise the households to use clean water wisely as they seem euphoric to have water within reach anytime they want."

Considering the sustainability of five master meter system in Surabaya, IUWASH facilitated to establish five CBOs after the systems handed over to the community. Some capacity building activities on operations and maintenance (O&M) and financial book-keeping were conducted to equip the CBOs on managing the systems. "The master meter program has brought very positive impact to many low income households as I witnessed in Surabaya. I believe that the local government will come up with the idea to replicate this program", said Chuck Cooper.



Program Site Location Map



Section I

INTRODUCTION

This is the fifth Annual Progress Report (APR) of the USAID Indonesia Urban Water, Sanitation and Hygiene (IUWASH) project. This APR covers the period from October 2014 to September 2015 and which is known as Project Year 4 (or “PY5”). This report also incorporates the project’s eighteenth Quarterly Progress Report (QPR), covering the period of July through September 2014. While the focus is on activities, achievements and issues encountered during the annual period, activities undertaken during the latest quarter are noted so that progress registered and issues encountered can be appropriately recorded and gauged.

Throughout PY5, IUWASH sought to build upon its past successes and work under an overriding theme of “Optimizing Performance and Informing Policy.” This theme recognized that in addition to aggressively working towards achieving the project’s targeted results and outcomes, there was also a need to significantly share key approaches and lessons learned to IUWASH partners at especially the national level so that they could be used in the formulation of new strategies, approaches and programs. Although there were not specific metrics attached to this theme, PY5 did witness a dramatic increase in the sharing of experience and “uptake” of approaches developed under IUWASH, including those related to PDAM performance measurement, the urban wastewater management framework, sanitation promotion, institutional development, gender programming, and many other areas.

This Annual Progress Report details IUWASH activities at the national, regional and local level. The report tracks progress against the project’s fifth Annual Work Plan and highlights important changes arising during implementation. Subsequent sections of this report include:

Section 2, High-Level Results and Component Level Progress: In this section, we present a detailed account of the project’s overall progress towards the achievement of the higher-level results, and provides much additional detail on the progress, issues and plans in each outcome area of the project’s three components and the grants program.

Section 3, National-Level Activities: This section details progress, issues and plans for the next quarter that are related to general project management and the project’s many cross-cutting areas (including gender, GIS, environmental compliance, and collaboration with other programs).

Section 4, Regional-Level Activities: This chapter summarizes the challenges confronting each IUWASH region, plans to address these challenges, and progress made to date. There is also additional detail on the status, progress and plans within each cluster of localities where the project works.

Section 5, Project Monitoring and Evaluation: This chapter explores in greater detail the project’s progress and achievements registered to date and during the reporting period with regard to each targeted IUWASH Outcome.

IUWASH IN BRIEF

The USAID Indonesia Urban Water, Sanitation and Hygiene (IUWASH) Project, Contract No. AID-497-C-11-00001, is a five-year effort designed to support the Government of Indonesia (GOI) in making significant progress towards achieving its safe water and sanitation Millennium Development Goal (MDG) targets by expanding access to these services. The IUWASH Project works with Indonesian government agencies (central, provincial, and local), local government-owned water utilities (PDAMs), sector associations,

NGOs, communities, universities, and the private sector. With USAID funding of US\$38.7 million dollars, the Project is expected to achieve the following high-level results:

- Two million people in urban areas gain access to improved water supply as a result of US Government assistance;
- 250,000 people in urban areas gain access to improved sanitation facilities as a result of US Government assistance; and
- The per-unit water cost paid by the poor in targeted communities decreases by at least 20% through more participatory, transparent, accountable, and financially enabled services.
- 75,000 receive training in WASH-related activities.

To contribute to more equitable access, IUWASH emphasizes expanding access among Indonesia’s urban poor, who are currently the people with the most limited access to these services. To ensure that access improvements are sustained, IUWASH implements activities that contribute to the achievement of three distinct types of intermediate results, namely:

- Increased demand for safe drinking water access and improved sanitation among urban communities and households with currently unimproved access;
- Improved water and sanitation services provided by public and private sector institutions in urban areas where there is sufficient sustainable capacity to meet increased demand; and
- Improved governance and finances that create an enabling environment supporting equitable access to safe drinking water and improved sanitation in urban areas.



Corresponding to these intermediate results are three technical components that together lead to increased access to water and sanitation services (see Figure 1. IUWASH Conceptual Framework). Component 1 focuses on the mobilization of demand; Component 2 aims to increase capacity for service delivery; and Component 3 seeks to improve the enabling environment. These components are mutually reinforcing, and the outcomes targeted in each are inextricably linked, such that success under one component cannot be achieved without commensurate success in the other two. These components are further supported by a small grants program to promote innovation and scaling-up of successful approaches to increasing access.

While IUWASH is designed around the three above components, the project’s workplanning and reporting format is based on the project’s two main sectors of intervention (namely, water supply and sanitation) and those “crosscutting areas” that are common to each. A “map” of how the project’s sector based activities align with IUWASH Component Outcomes.

Water Sector	Sanitation Sector	Cross-Cutting
WS 1: PDAM Operational Aspects	SAN 1. Individual Sanitation Systems	CC 1: Increased PEMDA policies
WS 2: PDAM Financial Aspects	SAN 2. Communal Sanitation Systems	CC 2: Increased PEMDA/APBD budget
WS 3: PDAM Customer Engagement	SAN 3: Off-site sanitation (sewerage)	CC 3: Improved citizen engagement
WS 4: Raw Water / C.Change Adapt.	SAN 4: Urban Sludge Management	CC 4: Increased POU and HWWS
WS 5: Microfinance	SAN 5: Support Pokja Sanitasi/AMPL	CC 5: Gender mainstreaming
WS 6: Master Meter		CC 6: Mobilizing CSR funding
WS 7: Long-Term Finance		
WS 8: PDAM Institutional Support		

Operationally, IUWASH is a regionally based project supported by a central office in Jakarta and regional offices in Medan, Semarang, Surabaya and Makassar, as well as satellite and liaison offices in 34 other locations. Through this structure, IUWASH aims to assist 52 local water companies (PDAMs) to improve access to safe water, and 54 local governments to improve access to adequate sanitation. The following table shows the project's target locations.

SUMMARY OF ACHIEVEMENTS

In addition to general project development, IUWASH measures progress based on the project's achievement of outcomes and higher-level results as defined in the IUWASH Performance Monitoring Plan (PMP). IUWASH achievements in PY5 based on the PMP outcomes were as follows:

- **775,825 people** obtained increased access to safe water supply and there was a **1.68%** increase in the number of households with access to safe water supply in areas where IUWASH PDAM partners operated.
- **159,405 people** obtained increased access to improved sanitation services and there was a **3.35%** increase in the number of households with access to improved sanitation services in areas where IUWASH supported the construction of improved sanitation facilities;
- A **decrease of 57%** in water costs for poor people;
- **37,060 people** trained in IUWASH training activities, with women accounting for **33.86%** of all training participants. The total budget spent in support of this training was **US\$876,916.80**;
- **31,881 households** were prepared to pay for sanitation improvements;
- **157 government cadres** implement WatSan programs;
- The PDAM Performance Index for 48 PDAMs **rose by an average of 69.97%**;
- **15 PDAMs** submitted debt restructuring plans to the Ministry of Finance (MoF) and monitored the implementation of debt restructuring plans;
- **47 Local Governments** increased local budget (APBD) allocations and improved their policy to support improvements in the WatSan sector;
- A **4.02% increase** in the amount leveraged to support the expansion of improved WatSan services; and
- **6,935 households** obtained new water connections and improved sanitation facilities under a microcredit program.

More details on progress towards achieving the IUWASH outcomes can be found in the Annexes.

Section 2

SUCCESS STORIES

SUCCESS STORIES OF WATER SUPPLY SECTOR

PDAM Tirtanadi Medan Drafts New Business Plan to Become Indonesia's Leading Water Utility Company

PDAM Tirtanadi Medan drafts a new business plan for the next five years. This business plan for the 2015-2020 period will also discuss the integration of wastewater management service by North Sumatra's largest water utility company.

Medan, North Sumatra - As North Sumatra's largest water utility company, PDAM Tirtanadi seeks to give the best service, both in providing clean water and wastewater management, to the community of Medan City. Due to its success in providing clean water access to the people of Medan city, PDAM Tirtanadi is also assigned by the North Sumatra Regional Government to also provide clean water access for communities in neighboring cities.

Unlike most cities in Indonesia where water utility and wastewater management companies are separated, PDAM Tirtanadi is also responsible for wastewater management apart of clean water provision. Therefore, PDAM Tirtanadi feels that they need a business plan as a guideline to make sure their operation and management are done correctly and carefully planned in order to become Indonesia's leading water utility and wastewater management company.

To make sure that the business plan is drafted correctly, PDAM Tirtanadi seeks assistance from IUWASH to learn how to draft a proper business plan. IUWASH responded quickly to assist PDAM Tirtanadi by organizing focus group discussions to discuss various aspects of the business plan, including technical, financial, managerial and organizational aspects. The initial draft was completed in on July 6th, 2015 and was presented to the Board of Supervisors to obtain financing approval from the Provincial Government as PDAM Tirtanadi's owner. In the end of the month, the draft was discussed with the Department of Clean Water at the Ministry of Public Work and Public Settlement to obtain financial support from the National Budget. From there, the Business Plan was presented and discussed with the Regional House of Representative of North Sumatra before being discussed in a seminar with stakeholders in September 2015. The result of the seminar will then be finalized and be presented to the Governor to be legalized.

The Business Plan addresses various plans and targets that PDAM Tirtanadi needs to achieve, such as broaden their service coverage area to six districts/cities neighboring cities up to 9,4% and increase the number of customers up to 20% by the end of the period among others. The Business Plan is expected to be legalized by the Governor by the end of September 2015.



Introducing "Sanitation Savings" in Tangerang District

A new way to improve sanitation access has been introduced to Tangerang District's communities. A local cooperative, KPP UMKM-Syariah, encourages the community to open a savings account to improve their sanitation facilities, namely "Sanitation Savings"

Tangerang, Banten - The sanitation condition in Tangerang District is still very low. This is due to the large number of low-income communities in the area. As a result, sanitation has never been considered as a primary need by its residents. Many ways have been tried but to no avail, until a innovative type of microfinance method has been introduced, the "Sanitation Savings".

In 2013, a local cooperative company, KPP UMKM-Syariah introduced the Sanitation Savings to accommodate its members who wish to have their own sanitation facilities without going through the stages of profit sharing financing and given to yield on deposit services. Unlike any other micro financing methods with monthly installments, the Sanitation Savings only require the cooperative members to deposit Rp 1000 per day until the amount suffices or at least 50% of the needed amount to construct a sanitation facility and does not requires any additional fee for the construction service.



IUWASH WJDB

Program Analyst on the Water Team at the Bureau for Economic Growth, Education, and Environment of USAID, Seema Johnson (middle), accompanied by IUWASH staffs and KPP-UMKM Syariah staffs, visited one of KPP-UMKM Syariah member who benefitted from the Sanitation Savings program, Nurita at her home in Tangerang District, Banten.

Seeing the success of this new type of microfinance, IUWASH, as KPP UMKM-Syariah's longtime partner, have put interest and decided to assist KPP UMKM-Syariah in succeeding the program. IUWASH, in collaboration with Bank Syariah Mandiri, assisted in funding for KPP UMKM-Syariah to use as its initial capital. IUWASH also assisted in advocating for KPP UMKM-Syariah's standing as a legal entity to Bappeda Tangerang District.

Currently, 1042 households in Tangerang District have access to improved sanitation facilities which also includes clean water access. By the end of 2015, KPP UMKM-Syariah targets to assist 4000 households to have access to improved sanitation facilities through this Sanitation Savings program. KPP UMKM-Syariah's Director, Kamarudin Batoebara said that KPP UMKM-Syariah's main aim is to break the poverty cycle in Tangerang District and ensure their prosperity. "We hope that through this program, Tangerang District residents, specifically the low-income communities can improve their quality of life through improving their sanitation facilities. Staying healthy is the easiest way to start improving our quality of life," said Kamarudin.

Customer Communication Forums contributes to PDAM improvement in Central Java

The existence of Customer Communication Forums (Forum Komunikasi Pelanggan/FKP) is essential to PDAM's own existence. PDAM needs constructive inputs from its customers to improve their service performance, while FKPs also serve as a communication bridge between customers and PDAM. This encourages IUWASH to initiate the "FKP-PDAM Collaboration Initiation/Improvement" program in six different cities/districts throughout Central Java.

Central Java - From December 2014, IUWASH assisted in the formation of six FKPs in Central Java, including Semarang City, Surakarta City, Batang District, Rembang District, Sukoharjo District and Klaten District. These FKPs have their own unique ways of communicating with fellow customers. For example, FKP PDAM Semarang has been using mass media means such as radio, newspaper and television to provide information with fellow customers due to the large number of PDAM customers in the city, which makes it easier to spread information through mass media. Meanwhile FKP PDAM Surakarta holds a bi-weekly meeting with fellow customers to communicate directly with each other. FKP PDAM Batang harnesses its administrative members which consist of 25 members from 11 different sub-districts to serve as coordinators in their respective areas.



IUWASH CENTRAL JAVA
FKP PDAM Surakarta members are listening to one of PDAM Surakarta's customers from Kedunglumbu village for his inputs a bi-weekly meeting with customers in Surakarta

In Rembang District, FKP members implement a monthly rotation system for its members to mediate communication between customers and PDAM. Members of FKP PDAM Klaten often hold meeting events with fellow customers which includes an educational session concerning PDAM related issues. While members of FKP PDAM Sukoharjo prefer to go meet customers directly to monitor the service performance they receive and whether there are any problems or issues with it. Of course, these unique styles of communicating with fellow customers have their respective advantages and weaknesses.

IUWASH then had an idea to bring all six FKPs together so that they can all share their experiences and share ideas with each other. So, a workshop was held on April 1st, 2015 in Batang District which was attended by FKP members, PDAM customer and PDAM staff representatives from respective regions. Through that workshop, all attendees have come upon a decision to make an association which will serve as a collaborative means of communication between FKPs across cities/districts in Central Java. The newly formed association was named "Paguyuban Banyu Bening", which literally means "Clear Water Association", with Joko Prastowo from FKP PDAM Surakarta as its initial Chairman.

PDAM Surakarta Director, Yulianto who acted as mediator commented on the importance of FKP as a mean of communication between PDAM and customers in his closing remarks. "FKPs' existence is very essential to us (PDAMs). It's easier for us to obtain more accurate and valid information from the customers who give us an idea on what part of the services we provide needs to be improved more than others," Yulianto said.

New Integrated Billing and Accounting Software to Increase PDAM Performance in East Java

Three PDAMs in East Java have now utilized a newly designed billing and accounting software. Ever since the usage of the software, PDAM Jombang District, PDAM Lamongan District and PDAM Gresik District have improved their performances, especially when it comes to turning in their respective financial reports.

East Java - For years, the Board of Supervisors from some PDAMs in East Java have been venting their frustration concerning delays in receiving reports as it is very essential for them to make decisions for the PDAM that they supervise. Some PDAMs, like PDAM Lamongan always turn in their reports three month after the due date, which makes it hard for the Board of Supervisors to give inputs, since the issues reported are outdated. Not only this issue is preventing the Board to help improve the PDAM that they supervise, but also when they have to report to the Regent for updates on PDAM performances.

The delay in turning in reports is due to the fact that most PDAMs in East Java still uses outdated methods such as manually gathering data from the billing reports then manually calculate it using conventional softwares. These methods take quite a while and risk having miscalculation and inaccuracy in data. The reason these "traditional" methods were still used was due to the fact that PDAMs could not afford upgrading their softwares due to lack of funds that they have.

Responding to the issue, IUWASH suggested that an integrated billing and accounting software should be provided to PDAM Jombang, PDAM Lamongan and PDAM Gresik to help them save time in making and turning in their reports. The software, which was developed by software developer CV Wahid, was distributed freely to the three PDAM in early 2015. The result was satisfying, as all three PDAMs reported after the three month trial that they've all turned in their reports on time. The integrated billing and accounting function makes it easier to calculate the balance, due to the automatic warning when the system detects wrong inputs. Not only that, the integrated funtions also automatically input what is being inputed on one function to the other.

Endang, a cashier at PDAM Lamongan said that the software made her work a lot easier. "I usually hate making reports as it takes a long time and needs a lot of concentration. But now, I enjoy making them as it is easier and fun," Endang said during an evaluation meeting held at PDAM Lamongan not too long ago. At the meeting, all three PDAMs claim that they are now turning in their reports every month with no delay and those claims have been justified by their respective Board of Supervisors.



IUWASH EAST JAVA

An evaluation meeting was held at PDAM Lamongan to evaluate the new integrated software and how it has affected PDAM Lamongan's performance, which was attended by PDAM Lamongan's administrative staff, the Board of Supervisors and IUWASH representative.

After Ten Years, Teluk Laikang Residents Finally Have Access to Clean Water

For ten years, the people of Teluk Laikang have no access to clean water. They can finally access clean water for the first time in ten years, now that the the distribution pipelines have been repaired. The community is overjoyed as they believe it is a blessing of the Holy Month of Ramadhan.

Takalar, South Sulawesi - For over ten years, the community living at the southern bay of Takalar District, South Sulawesi, known as Teluk Laikang, have lived with no access to clean water. The people living in the local village of Laikang Village have used water from a local well for bathing, washing and other needs. But the water from the well tastes a bit salty as it is situated near the beach. If they wanted to get clean water, they needed to go to a nearby village as far as eight kilometers, Cikoang Village, that has clean water access from PDAM Takalar.

But now, the people of Laikang Village does not have to go far to get access to clean water. On July 9th 2015, a week before the Islamic holiday of Eid-ul Fitr, Takalar District Regent, Burhanuddin Baharuddin has officially "re-launched" a clean water facility at Laikang Village. The facility, located near the local mosque that is also being officially launched at the same day, will serve as Laikang village's access to clean water for its residents. In his speech, Baharuddin said that the re-launching of the facility is a big achievement for Takalar District as a whole. "It's my honor to reintroduce this facility as it has been intended in the past. Now that the facility has regained its intentional function, hopefully it can provide clean water for Laikang Village residents for their everyday needs.



HENDRI SAPUTRO/IUWASH SSEI

Children enthusiastically help their parents gathering clean water from PDAM distribution pipes.

The facility was initially constructed in 2013 by PDAM Takalar with support from the Water Supply Management Performance Development Unit (Satuan Kerja Pengembangan Kinerja Pengelolaan Air Minum/Satker PKPAM) of South Sulawesi using fund from the National Budget. The facility, named SPAM IKK Marbo was supposed to discharge water at 20 liters per second to Laikang Village. But for some reason, the water never flowed to Laikang Village, even after being upgraded with a pump booster.

Two years after its construction, PDAM Takalar then seeks IUWASH for assistance. Through a network analysis conducted by IUWASH and PDAM Takalar's technical team, it is discovered that the water from the pipes could not flow to Laikang Village due to air deposition in the pipes. IUWASH then recommended installing air valves along the distribution pipe. The air valves installation seem to be the solution. Now clean water can be flowed throughout Laikang village with a high pressurized discharge.

One of Laikang Village's resident, Daeng Ngewa said that the newly re-launched facility has made his life easier. "Now we have access to clean water from PDAM to fulfill our everyday needs. The water that flows through the pipe is clean and does not smell or does it tastes salty. It is safe to use it for cooking, washing and even bathing. Foremost, we don't have to walk so far to another village to access clean water," Daeng Ngewa said proudly.

SUCCESS STORIES OF SANITATION SECTOR

GOI collaborates with PDAM, Provincial and Regional Government to Achieve Universal Access Target in Medan

The Ministry of Public Works and Public Settlement is working hand-in-hand with the Provincial Government of North Sumatra, Medan City Government and PDAM Tirtanadi Medan City to accelerate wastewater management service in Medan City. The collaboration between the parties is to make sure that Medan City can achieve the Universal Access of 2019 in sanitation.

Medan, North Sumatra - As North Sumatra's biggest city, Medan City has always been regarded as an example for other cities in the province. Even so, Medan isn't as perfect as everyone thought. One of the major apparent flaws of Medan is the city's wastewater management system. The Medan City government has tried various ways to accelerate the city's wastewater management system, one of which was by taking part in ADB's Metropolitan Sanitation Management and Health Project (MSMHP).

Even after taking part in the MSMHP program that ended in 2014, only 7000 from the targeted 13,200 household connections were established. Meanwhile, the Medan City Government aims to achieve the 2019 Universal Access target in 2019. With the current condition, Medan City is still very far away from achieving this target.

The North Sumatra Provincial Government took notice of the situation and seeks assistance from the Government of Indonesia through the Ministry of Public Works and Public Settlement. The Ministry of Public Works has agreed to assist with the situation and proposed a collaboration which involves the Provincial Government, the Local Government and the local water utility company. Therefore, a collaboration between the Ministry of Public Works, North Sumatra Provincial Government, Medan City Government and PDAM Tirtanadi Medan was formed.

To make sure that this collaboration can achieve what is targeted, it needed a guideline to define what needs to be focused on. IUWASH was asked exclusively to draft a Memorandum of Understanding to make sure that it is drafted correctly and that each respective party's responsibilities are written down as clear as possible. Medan City's Secretary Syaiful Bahri said that this collaboration is one of the greatest achievements in recent years for his city. "I do hope that with this collaboration, the 2019 Universal Access target in the sanitation sector can be achieved and that each party will work hard to make sure of that," Syaiful Bahri added.

The collaboration project aims to establish 40.000 household connections to the city's central sewerage system (Sistem Pengelolaan Air Limbah Terpusat/SPAL Terpusat) by 2019.



IUWASH NORTH SUMATRA

Medan City's Regional Secretary, Syaiful Bahri said that this collaboration to achieve the 2019 Universal Access target is one of Medan's greatest achievements in recent years.

Sanitation System Optimization through Replication in Bogor

Bogor City's unique landscape makes it hard to build a sanitation system that can reach everyone living in the city. Luckily, the challenge has been countered as now most of its citizens are connected to local sanitation systems, both individual and communal wastewater pipelines that are done through replication.

Bogor, West Java - Bogor's hilly topography has always been an issue in constructing a thorough sanitation system throughout the city. Even though the city has had help from the Government of Indonesia in constructing a standardized wastewater pipeline connected to a wastewater treatment plant (WTP) through the Sanimas program in 2013, it could only serve a few of Bogor's citizen. Not only the program could not serve everyone in the city, but the pipeline usage were not optimized. For example, the pipelines in Sindangsari Village are only connected to 14 households when at its maximum it can be connected up to a hundred households. The demand from the community to get connected to the Sanimas WTP is very high. Yet, the city's government could not comply. Luckily, many community members became very interested and initiated a "movement".



Starting off by communicating with the Association of Sanitation CBO of Indonesia (Asosiasi KSM Sanitasi Seluruh Indonesia/AKSANSI), the community in Sindangsari Village and Cibadak Village tried to communicate with UPTD PAL Bogor in order to get information on how to get connected and also assisted in the advocating process in order to financial support from UPTD PAL. Unfortunately, the advocacy went into a deadlock as UPTD PAL were not able to process the funding needed.

IUWASH then came up with an alternative funding option, that is through micro financing which won the heart of the community. In order to gain the community's trust, IUWASH trained several "health cadres" or "champions" to help promote the sanitation system. IUWASH then helped set up a community-based organization, KSM Amanah, that will be responsible to manage and operate the communal WTP once it's operational, also to collect the subscription fee from future customers.



AKSANSI continued to assist as advocates for the community to UPTD PAL. The advocacy paid off as UPTD PAL managed to secure a partnership with the Department of Housing and Building Supervision. Together, they plan to replicate the Sanimas program in Sindangsari Village and Cibadak Village in other villages, among others, West Cilendek, Bojungkerta and Bojongkidul.

Currently, there are 53 households connected to the Communal WTP managed by KSM Amanah in Sindangsari Village or an addition of 39 connections from the initial number. As for the replication of the program in West Cilendek, Bojungkerta and Bojongkidul, it is currently in discussion concerning the Detailed Engineering Design (DED). It is planned to be constructed by the end of 2015.

Reviving Inactive Communal WWTPs in Central Java

Over 76 percent of communal wastewater treatment plants (WWTP) in six cities and districts in Central Java have regained its functionality after being inactive for several years. Now the community in those regions can once again benefit from them.

Central Java - Over the past few years, the Government of Indonesia have been intensely constructing communal wastewater management systems across the nation. One of few was the Urban Sanitation and Rural Infrastructure (USRI) program initiated by the Ministry of Public Works in 2011 and lasted til 2013. Unfortunately, not long after being constructed, these Communal WWTPs have gone into a state of "hiatus" as there are no more activities done. One of the main reasons to it is the inactivity of the User and Maintainer Groups (Kelompok Pemanfaat dan Pemelihara/KPP) of each communal WWTP in operating and maintaining it. To make it worse, some community members haven't even been informed that a communal WWTP existed among them.

In 2014, IUWASH initiated a program to revive these inactive communal WWTPs, specifically in Central Java province through the "Development of Sustainable Communal Behavior Change to Support Sanitation Services Improvement" grant program which was implemented in six cities/districts in Central Java. IUWASH collaborated with local CBO "Solidaritas Perempuan untuk Kemanusiaan dan Hak Asasi Manusia" (SPEK HAM) to help inactive facilities previously constructed through USRI, SLBM and Sanimas to regain its function.

Throughout 14 months of its implementation, IUWASH and SPEK HAM have done many activities to try solving the issues of the Communal WWTPs inactiveness. First, an assessment was performed to find out which Communal WWTPs that still have a chance to be optimized and how the local KPP previously operated the Communal WWTP. Capacity building trainings were also conducted to raise the communities' awareness and knowledge concerning communal wastewater management system and how to operate and maintain a Communal WWTP. IUWASH also assisted KPPs in the management and maintenance of the communal WWTP while also monitor and evaluate their performances.

The program ended successfully in August 2015, with nearly 4000 households (over 19000 people) have access to communal sanitation facilities in six cities/districts. Now, 90 out of 117 inactive communal WWTPs and KPPs were revived. With SPEK HAM's assistance, KPPs are now more active than ever and encourages community members to get involved in the maintenance of the communal WWTP.

Local Governments where the program was implemented were delighted over the results. Some local governments even allocated funding through its Regional Budget to make sure operation and maintenance sustainability for these revived communal WWTPs and KPPs, among those is the Sidoharjo District Government who allocated Rp 600 million through the 2015 Regional Government Budget of Sidoharjo District.



Sanitation Access Acceleration through Sanitation Micro Credit in East Java

Most low-income community members in East Java can now have their own private toilets equipped with septic tanks at their homes. This is thanks to the micro-scale financing program for sanitation access promoted by IUWASH in East Java since 2014.

East Java - Financial problem seems to be a popular reason given by most people in East Java to not build a private toilet in their homes. Due to this, open defecation is still widely practiced by the people. Sometimes, even if they have a private toilet, it is not equipped with a septic tank so the sewage is discharged directly to water bodies which could lead to various health problems. Various methods and approaches have been tried by local Department of Health and sanitarians, but only few were convinced. The reason is mostly the same, which is the limited fund that they have.

IUWASH was moved to help in resolving the issue. Initially, IUWASH provided capacity building activities to sanitarians, Health Department staffs, health volunteers and HIPPAMS staffs in 12 cities and districts in East Java. However, the funding issues remains deadlocked. Some sanitarians agreed to invest their own money to help people that need funding. Those in need can repay back to the sanitarian by in installments over 10 to 12 months. But this solution was only temporary as the fundings from the sanitarians were limited while the demand from the people increases.

To overcome the issue, IUWASH collaborates with LPPM ITS to assist 20 sanitation entrepreneurs in seven cities/districts in East Java through a grant program as an alternative solution. The entrepreneurs were given entrepreneurship training, promotional training and support through the provision of materials for toilet and septic tank construction such as cement, sand and toilet molds. Through the program that began in October 2014 and will end in October 2015, the people who want to build toilets equipped with septic tanks can contact the entrepreneurs directly. Just like with the sanitarians, they can pay the construction by installments over 10 to 12 months.

The program proved to be effective. Until August 2015, the number of people who possess healthy toilets with septic tanks has reached 1500 households. In Jombang, the Regional Development Planning Agency (Badan Perencana Pembangunan Daerah/Bappeda) has allocated Rp 1 billion as equity in the Bank of Jombang to fund this sanitation microfinance program to facilitate the people in applying a loan so that the entrepreneurs can concentrate more in the construction of the facilities. In other regions, some entrepreneurs collaborate with cooperatives or PNPM Mandiri available in their city/district to get alternative funding.

According to Purwaningsih, a sanitarian at Lor Pulo Jombang health center who is also a sanitation entrepreneur, said that the program helps ease her work load. "Sanitarians can easier convince people to build healthy latrines as it costs less. Entrepreneurs also benefit from this program by receiving more orders from the people.



DWI PRIHANTO/IUWASH EAST JAVA

Mrs. Luluk, a resident of Pulo Lor Village in Jombang now does not need to be afraid of falling into the river while defecating because she now has her own latrine equipped with a septic tank in her home.

A More Systematic and Regularly Scheduled Sludge Management with the LLTT Program in Makassar

Makassar City is the first city in Indonesia to have a Regular Desludging Service (Layanan Lumpur Tinja Terjadwal/LLTT). The program which is managed by the Regional Implementation Unit for Wastewater Treatment (Unit Pelaksana Tingkat Daerah Pengolahan Air Limbah/UPTD PAL) was made possible thanks to the collaboration of the Makassar City Government and its people that who are both committed to make Makassar as the world's most comfortable city.

Makassar, South Sulawesi - Sludge management in Makassar has now become more systematic and regularly scheduled. Thanks to the application of the Regular Desludging Service Layanan Lumpur Tinja Terjadwal/LLTT), officially launched on August 8th 2015 at BTP Tamalanrea Estate A Block, Makassar City.

Makassar's Vice Mayor, Syamsu Rizal who attended the launch event said that a program like LLTT is crucial for large cities with high population density such as Makassar. According to Daeng Ical, a nickname given to Syamsu Rizal by the people, a good sanitation will guarantee a better quality of life for the community. Therefore, Daeng Ical encourages that communities in Makassar should participate in the LLTT program. "There'll soon be a Regional Regulation on Wastewater Management where the LLTT program will specifically be regulated. The LLTT program will be mandatory to be implemented by all the people of Makassar," Daeng Ical explains about the Regulation on Wastewater Management that is currently being evaluated by the Regional House of Representatives of Makassar City.



Makassar's Vice Mayor, Syamsu Rizal poses after performing a desludging in one of the residents' house, Rustam, witnessed by Deputy Director of Environment Office USAID Indonesia, Heather D'Agnes and Deputy Chief of Party IUWASH, Foort Bustraan.

Before the LLTT program, Makassar city already has a sludge management service. Similar to the current service, the sludge management service was also managed by UPTD PAL with an "on call" system where desludging are performed by demand. Unfortunately, this system didn't go smoothly due to the lack of awareness from the community to desludge for their septic tanks regularly. In 2012, IUWASH introduced the LLTT program to UPTD PAL of Makassar in hopes to optimize the previous system. IUWASH and UPTD PAL with the Regional Workgroup for Drinking Water and Environmental Health (Pokja AMPL) worked together to socialize this program to the community who highly accepted the presence of this program.

The LLTT program was then tested at BTP Tamalanrea Estate A Block starting November 2013. The test run was applied to 300 structures as a survey. The results turned out favorable that it was decided the LLTT program can be applied immediately. Now Makassar City's communities don't have to worry about overflowing septic tanks anymore. With a relatively low cost, Rp 12,500 per month, the community can already benefit from the regular desludging service.

Section 3

HIGH LEVEL RESULTS & COMPONENT LEVEL PROGRESS

INTRODUCTION

In this section we present a detailed account of the project's overall progress towards the achievement of the IUWASH High Level Results, as well as much additional detail on the progress, issues encountered, and plans within each outcome area of the three project components and within the Grants Program, which complements work in all other areas. As indicated in Section 1, IUWASH recognizes that all three components and the grant program are mutually reinforcing. The component outcomes are inextricably linked, such that success under one component cannot be achieved if there is not commensurate success in the other two. Accordingly, we have attempted to highlight important linkages between the work under the components and specific areas of collaboration. This section is divided into the following sub-Sections:

Section 3.1. High Level Results

Section 3.2. Water Supply Sector

Section 3.3. Sanitation Sector

Section 3.4. Cross-cutting Sector

Section 3.1

HIGH LEVEL RESULTS

Within the framework of IUWASH, High Level Results are at the heart of its programming because especially the first two listed below directly and significantly contribute to the achievement of the project's broader goal of assisting the GOI in progressing towards its MDG targets in water supply and sanitation. As this reporting period is the last quarter in IUWASH programming year (PY5), the project also updates and reports on all High Level Results. These are fully presented in the table below with a breakdown of: the Life-of-Project (LOP) targets; cumulative achievements through the end of September 2014 (the end of PY4); the amounts achieved in PY5; the cumulative total since the beginning of the project; and the project's internal target for PY5 which is included for reference.

This quarter, IUWASH notes that all four deliverables of High Level Results that surpasses the life of the project target. Especially for Outcome HR-2, this year IUWASH harvests all the efforts made in the previous years. However, IUWASH still needs to pay more attention to the Outcome IC-1 (PDAM Performance Index) because it may affect to the achievement of HR-1 at the end of IUWASH period.

The following table presents a revised summary of the project's High Level Results:

IUWASH High Level Results	Indicator	LOP Target	Cumulative thru 09/14	Achievements made in PY5	Total Achieved thru Sep 2015	PY5 Target
HR.1: People gain access to improved water supply and sanitation services	Number of people in urban areas gain access to improved water supply	2,000,000	1,470,180	775,825	2,246,005 (112.30%)	1,621,160
HR.2: People gain access to improved sanitation facilities	Number of people in urban areas gain access to improved sanitation facilities	250,000	96,650	159,405	256,055 (102.42%)	159,950
HR.3: Per unit water cost paid by poor in targeted communities decreases by at least 20%.	Percent increased of per unit water cost paid by the poor in targeted communities decreases by at least 20%.	20%	n.a. (*)	53% (**)	53% (**) (267%)	20%
HR.4: Participants trained	Number of people participated in IUWASH training type of activities	75,000	52,506	37,060	89,566 (119.42%)	19,000

(*) Based on the project's new PMP (Third Revision), this outcome is only measured at IUWASH Master Meter locations. As such, previous measurements are no longer valid and will be adjusted following completion of a new water cost survey.

(**) This figure is the result of the new water cost survey that was implemented in Kab. Tangerang, Kota Sibolga, Kota Surakarta, Kab. Sidoarjo and Kota Surabaya. Next quarter, this will be expanded to other Master Meter sites.

In reviewing the above, it should be noted that all data regarding High-Level Results as well as other targeted outcomes is compiled and available on the project's Technical Assistance Management Information System (TAMIS). Information regarding participants trained is further regularly uploaded to the USAID training information system, TraiNet.

Section 3.2

WATER SUPPLY SECTOR

One of the primary objectives of IUWASH is to increase access to improved water for two million people (equivalent to 400,000 households). To achieve this, IUWASH is providing direct support to 50 local water utilities (PDAMs), strengthening not only internal their internal operations (technical, financial, customer service) but also the external environment, including (i) support by local decision makers; (ii) protection of raw water sources combined with climate change adaptation planning; and (iii) mobilizing capital expenditure finance for service expansion. The result of these combined efforts will improve services for all PDAM customers, including low-income families, which are benefitting most from a strong and financially healthy PDAM. Details of this support up to end of September 2015 can be found in Water Supply Matrix in Annex I.

The IUWASH interventions for the Water Sector are grouped under eight programs, which are listed in the accompanying box. Achievements of these programs in this quarter and past year(s) are described in this section, which shows they are closely interconnected and all play a crucial role in improving PDAM performance and service delivery.

IUWASH programs in Water Supply Sector

WS 1	Improve PDAM Operation
WS 2	Improve PDAM Finance
WS 3	Improve PDAM Customer Relation
WS 4	Raw Water & Climate Change Adaptation
WS 5	Water for the Poor – Microfinance
WS 6	Water for the Poor – Master Meters
WS 7	PDAM Capital Investment Financing
WS 8	PDAM Institution & Good Governance

Main Achievements this Quarter / previous Year

This section summarizes the main achievements in the water supply sector during the last year (with particular emphasis on the latest quarter), arranged by the four signature programs and other achievements. More details can be found in subsequent sections.

Signature Approaches: last year IUWASH defined four signature approaches in the water supply sector as innovations, to be used as examples by GOI and/or donor agencies. Signature programs are implemented through direct assistance by IUWASH team and subcontracted third parties; The principle achievements of the water supply signature programs over the past year were as follows:

- **PDAM Energy Efficiency and Non-Revenue Reduction:**
 - IUWASH completed Energy Efficiency Audit (EEA) guidelines with Indonesia Clean Energy Development Project (ICED) and MPWH. The guidelines were adopted by GOI during Efficiency Energy workshop on February 2015 and subsequently used as basis for Roadmap on “Alternative Financing for NRW Reduction and Efficiency Energy Program” presented at “Water, Sanitation and Cities Forum 2015” hosted by MPWH on 27-29 May 2015
 - IUWASH completed “Best Practice and Lesson Learned of Efficiency Energy” at 8 PDAMs.
 - Energy Efficiency Audits and other related activities completed with 10 PDAMs and ongoing in 4 PDAM; NRW Reduction programs are ongoing in 23 PDAMs, to be completed in PY6.
- **Water for the Poor:**
 - 17 Master Meter programs are completed in Sidoarjo (4 systems), Tangerang (3 systems), Sibolga (4 systems), Surakarta (1 system) and Surabaya (5 systems); Master Meters programs still ongoing in DKI (4 systems); total coverage will be around 1,660 poor households (8,000 people).
 - IUWASH, ADB, Pam Jaya, AETRA and Palyja agreed on 4 locations to develop Master Meter in DKI/Jakarta supporting 500 households. Agreements are reached with all communities on tariff ; designs of pipe networks already prepared, and for first 2 locations construction started, 1 location is completed and last location is in tender process.

- In Quarter 3 of PY 5, the Master Meters for Surabaya were inaugurated by Ibu Risma, Mayor of Kota Suaraba, who highly appreciated IUWASH support to improve access to clean water for poor communities in Surabaya and urged community groups to maintain the systems.
- Micro finance for increased water supply access continuing with 19 PDAM in all IUWASH regions; through September 2015, total of 15,155 households were connected to piped water supply through microcredit facilitated by IUWASH with funding from local banks and PDAM cashflow.
- *Climate Change Adaptation Plans:*
 - Baseline Climate Change Vulnerability Assessments (CCVAs) completed for all locations; Climate Change reports for 8 locations completed and for 12 ongoing
 - Completed 3,118 infiltration Ponds in partnership with CCFI in 4 locations in North Sumatra, East Java (2 locations) and Central Java; 216 to be completed in next quarter
 - Continued infiltration ponds in 5 new IUWASH locations: Probolinggo and Batu (East-Java), Batang (Central Java), Bantaeng (South Sulawesi) and Serang (Banten) using IUWASH funding private sector CSR funding for further replication.
 - First draft of Climate Change toolkit and trianing materials completed and ready for testing in October 2015
- *Capital Investment Financing:*
 - 9 Capital Finance project have been completed and technical support is now focusing on 8 remaining ones, from which 5 still have good probability of reaching success during remainder of IUWASH. The 9 completed projects provide ca. 1,000 liter / second new capacity, equivalent to increasing safe water access to 350,000 people;
 - The failure of PerPres29 and recent cancellation of Law 7/2004 has profound impacts on the financing of capital projects in Indonesia, which means that at this moment portion of CAPEX financing by private sector (B2B) is shrinking and replaced, where possible by Public Finance (APBN). IUWASH started more intense lobbying between Local, Provincial and Central Government agencies for this.

Other Achievements: In addition to progress highlighted above, additional main achievements were:

- Conducted classroom and on-the-job training as well as DED and mobilizing finance for 13 PDAMs to improve distribution network operations and 14 PDAM on increasing production Capacity; Also supported 38 PDAM on introducing GIS / MIS system to improve water supply services.
- Supported the (almost) completion of 34 PDAM Corporate Plans, and 26 tariff adjustments. Also, assisted Ministry of Finance with tool to monitor PDAM progress against debt restructuring targets;
- Completed Credit Worthiness Ladder for 32 PDAM across all 5 IUWASH regions. For 10 PDAM the rating was stable compared to previous rating and for 22 PDAM rating increased.

Collaboration with other parties

IUWASH's ambitious targets can only be achieved through strong partnerships with key national government ministries, other donor agencies, and other institutions, both public and private. This collaboration can take many forms, including regular exchanges to share lessons learned and avoid duplication of effort, and the development of joint programs.

The following table summarizes the main collaborative efforts during the past year at national and regional level:

Collaborative Partners at National Level

Partner	Summary of activities this year (Oct 2014 - Sep 2015)
ICED (USAID project)	Collaboration on development of PDAM Energy Efficiency guidelines
Ministry of Public Works/Water Supply	Collaboration on PDAM Energy Efficiency Audits, NRW reduction (Jakarta), and MPW programs to strengthen PDAM (e-PDAM & PDAM –INFO); Support development of OBA financing for NRW and EE programs
BPPSPAM	Regular discussion and exchange of experience and issues related to PDAM long-term financing (PPP, Perpres 29, etc.) and debt restructuring
Ministry of Finance	Supporting development and monitoring PDAM debt restructuring and opportunities to provide Capital Expenditure Finance to PDAMs
PERPAMSI – Association of Water Utilities (PDAM)	Supported IWWEF conference and combined 3 PDAM Clinic for ca. 30 poor-performing PDAMs during IWWEF and IWW (both in Jakarta)
World Bank / ADB	Ir-regular discussions to support Water Sector, regarding policies, long term financing, IKK, etc
IndII/DFAT	Informal communication, exchange experience between the two programs
Water.org	Collaboration on promoting micro finance for watsan, including joined capacity building for cooperative (especially KPP/Tangerang)

Collaborative Partners at Regional Level

Key Partners	Summary of activities this year (Oct 2014 - Sep 2015)
North Sumatra	
9 PDAM partners (Medan, Binjai, Langkat, Tebing Tinggi, Pematang Siantar, Asahan, Tanjung Balai, Labuhan Batu, Sibolga)	Support several activities to improved the PDAM performance index and other activities such as microfinance for water, master meter, capital expenditure project, etc.
KfW (German Development Bank)	Discussion on collaboration for development increased clean water access for “Greater Medan” (MEBIDANG = Medan, Binjai, Deli Serdang)
Dewan Pimpinan Daerah (DPD) PERPAMSI Sumatera Utara	Support on PDAMs North Sumatera Events such as PPPI & CWL workshop, strengthening of Dewan Pengawas PDAM.
Satker Air Minum dan Sanitasi Sumatera Utara – PPK Air Minum	Collaboration in improved PDAM coverage area consist of Labuhanbatu, Binjai, Tebing Tinggi, Tanjungbalai and Medan (Belawan) by provided budget as DED provided by IUWASH
Dinas Perumahan dan Permukiman Kota Medan	Collaboration in provision 7 billion budget for water services in Belawan as DED provided by IUWASH
CSR Bank Sumut	Collaboration in water services for low income communities by replicated master-meter scheme in Sibolga
sAIG	Collaboration improving water services in Tebing Tinggi
West Java/DKI Jakarta/Banten (WJDB)	
9 PDAM partners (Serang, Lebak, Tangerang, Kota Bekasi, Kab. Bekasi, Purwakarta, Karawang, Bogor, Bandung)	Support several activities to improve the PDAM performance index and other activities such as microfinance for water, master meter, capital expenditure project, etc.
Modern Land (private Sector)	Planning to construct 5 infiltration ponds in Kab. Serang
Aerta	Support Master Meter program in DKI Jakarta
PT. Palyja	Support Master Meter program in DKI Jakarta
Central Java	

Key Partners	Summary of activities this year (Oct 2014 - Sep 2015)
10 PDAM partners (Kota Semarang, Kota Salatiga, Kab. Semarang, Rembang, Kudus, Batang, Kendal, Kota Surakarta, Sukoharjo, Klaten)	Support several activities to improve the PDAM performance index and other activities such as microfinance for water, master meter, capital expenditure project, etc.
Coca-Cola Foundation Indonesia (CCFI)	Close collaboration to develop 920 infiltration ponds (<i>Sumur Resapan</i>) in Kab. Semarang and Kota Salatiga under Water Replenishment Program and providing limited TA for new CCFI program in Magelang
Serikat Paguyuban Petani Qariyah Thayibah (SPPQT)	Development of additional 120 infiltration wells (CSR-CCFI), and 10 infiltration wells (Swadaya)
Kelompok Swadaya Masyarakat (KSM) Bismo Sejahtera Desa Bismo and KSM Sumber Barokah Desa Tambakboyo Kabupaten Batang	Development 160 infiltration wells, Tree Planting/ reforestation of 7.000 seeds (CSR-PDAM), development 68 Healty latrines (Jamban Sehat) Desa Bismo (CSR-PDAM), and 90 water reservoir in Desa Tambakboyo (CSR-PDAM)
Badan Lingkungan Hidup (BLH) Kabupaten Batang	Development of Peraturan Desa (Perdes) Tata Kelola Lingkungan dan Perlindungan Sumber Air Baku Desa Bismo dan Desa Tambakboyo Kabupaten Batang
East Java	
12 PDAM partners (Kab. Gresik, Kab. Lamongan, Kota Surabaya, Kab. Sidoarjo, Kab. Jombang, Kota Mojokerto, Kab. Mojokerto, Kota Probolinggo, Kab. Probolinggo, Kab. Malang, Kota Malang, Kota Batu),	Support several activities to improve the PDAM performance index and other activities such as microfinance for water, master meter, capital expenditure project, PDAM Tariff Adjustment, monitoring existing Debt Restructuring Program etc.
Bank BRI: Kota Surabaya, Kab. Mojokerto, Kab. Sidoarjo, Bank UMKM Surabaya	Microfinance program for new PDAM Connections
Coca-Cola Foundation Indonesia (CCFI)	Close collaboration to develop infiltration ponds (<i>Sumur Resapan</i>) in Kabupaten Malang (expected 800 infiltration ponds) under Water Replenishment Program. With the same previous program, it have been constructed 900 infiltration ponds in Kab. Mojokerto
Nestle	Collaboration to develop 100 infiltration ponds in Kab. Probolinggo
PDAM Kabupaten Jombang	Advocacy in preparation of PDAM Regulation
South Sulawesi/Eastern Indonesia (SSEI)	
10 PDAM partners (Maros, Takalar, Enrekang, Parepare, Sidrap, Pinrang, Bantaeng, Jeneponto, Ambon, Jayapura)	Support several activities to improve the PDAM performance index and PDAM credit worthiness.
Koperasi BMT Al-Azhar Maros)	Water access through micro finance
6 Bappeda and PDAM partners (Bantaeng, Jeneponto, Parepare, Sidrap, Pinrang and Enrekang).	Raw water & Climate Change Adaptation

PDAM Performance Index

Improved performance of PDAMs (technical, financial and institutional) supported by IUWASH is measured through a “PDAM Performance Index (PI)” (see box). Baseline data from June 2011 was collected from 24 PDAMs during PY1 followed by another 26 PDAMs in PY2 (with baseline data starting from 2012). After that PI is measured every six months and reported in the QPR for March (using audited data previous December) and QPR for September (using un-audited data from June).

Starting last year the methodology to fill-in PDAM Performance Index was different compared with before, as previously PI was filled in by IUWASH staffs during visiting each PDAM office and discussing with PDAM Staff. Since early this year a combined PDAM PI and Credit Worthiness Ladder (CWL) workshop was

conducted every 6 months in each region, with 3 staff from each PDAM staff supported by IUWASH. Staff brought relevant PDAM data and during the workshop filled in the PI and CWL and together with IUWASH teams discussed the results. This showed how good they understand these tools, to understand why some scores are increased (or decreased) and what activities need to be conducted to increase the index score.

For all PDAMs surveyed using June 2015 data, the average PI score compared to end of June 2014, increased from 30.52% to 69.97%. According to this latest PDAM PI data, out of the total 50 PDAM supported by IUWASH already 48 have increased their PI with more than 20%. Only 2 PDAM are still on or below the 20% target as follows:

- PDAM Kab Lebak with 15.95 % increase
- PDAM Kota Malang with 13.80 % increase

Note: low increase for PDAM Malang is not due to poor PDAM performance, but because they already started with high performance, which makes it more challenging to increase with another 20%.

In the last year of IUWASH, the PI will be measured one more time (March 2016) to obtain audited PDAM data of December 2015. This data will be the final measurement for the whole IUWASH program.

IUWASH also collects quantitative information (every six months) on changes in PDAM connections. The baseline data from June 2011 and December 2012 showed a total baseline of 2,571,550 house connections providing access to 13,442,890 people. The total increase of connections since the start of IUWASH until latest measurement in June 2015 (unaudited) showed an increase of 438,102 connections (436,939 PDAM connections and 1,163 Master Meter connections, which are not counted as individual PDAM connections) and which is the equivalent of 2,246,005 people with increased access to safe water (or 112% of IUWASH target of 2,000,000 people). More details concerning the quantitative data and the PDAM PI data can be found in in separate PMP report.

Going forward to PY 6, only limited PDAM operational and financial performance improvement programs will be continued, in line with the priority programs selected for each PDAM by IUWASH and PDAM management and depending on availability of IUWASH resources (staff, funding and time). IUWASH teams will continue to assess PDAM performance through one more PDAM Performance Index measurement, to obtain PDAM data for December 2015.

Program WS-I: Improved PDAM Technical Aspects

The focus of WSI is to improve PDAM performance and expand improved water supply to households that are not yet receiving such services. By implementing this program:

1. Water availability for existing and new customers will increase (through NRW reduction and optimization of production capacity);
2. PDAM financial performance will be improved (through Energy Efficiency and MIS); and,

PDAM Performance Index

1. Good governance
 - a. Transparency
 - b. Accountability
 - c. Tariff setting and investment
 - d. Pro-poor policies
2. Technical and operational performance
 - a. Number of connections
 - b. NRW Reduction
 - c. Energy Efficiency
 - d. GIS/MIS systems
 - e. Water quality improvements
3. Financial performance
 - a. Full Cost Recovery
 - b. Financial Ratio
 - c. Employee Ratio
 - d. Billing and accounting systems
4. Customer relations
 - a. Customer satisfaction survey
 - b. Community reporting to PDAM
 - c. SOP for customer complaints
 - d. Information through public media
5. Business/human resource management
 - a. Human resources policies
 - b. PDAM staff training programs
 - c. PDAM business plans
 - d. SOP
6. Safeguarding raw water sources
 - a. Existing condition and future demand
 - b. Protection of raw water systems
 - c. Climate change adaptation programs

3. Technical performance, including water flow and pressure, will be improved through distribution network improvement, application of GIS, etc.

The following is summary of program activities during this quarter and year:

Energy Efficiency Audits

High energy costs can account for as much as 30% of PDAM operating cost, especially for PDAMs that rely on pumping systems. As the electricity tariff increases every year, PDAMs using pumps experience commensurate increases in water production and distribution cost and, consequently, decreased financial performance. Higher energy costs place a strain on utility finances, which decrease the utilities' ability to improve or expand services to customers. While this should encourage many PDAM to invest in improved energy efficiency, most managers are not aware that their energy consumption is not efficient, nor which steps they can take to reduce this and obtain direct benefit.

During PY 5, IUWASH on request by MPWH and in collaboration with ICED (Clean Energy project of USAID) successfully introduced Energy Efficiency Audit guidelines, which was endorsed by GOI during a large workshop in February 2015; This was followed by EE roadmap announced during International conference in May ("Water, Sanitation and Cities Forum2015"). IUWASH work is the basis for the Roadmap for Energy Efficiency support for 2015 – 2019 to support the Universal Access goal. Financing for investment will be blend of Output Based Aid (grant) and Performance Based Contracts, for which contract template and mechanisms is currently developed by IUWASH.

In the 5 IUWASH regions, EEA support was provided for total of 14 PDAMs, with details explained in table below. In this quarter IUWASH continued monitoring and promoting PDAM Management to implement recommendations of previous EEA and also directly provided support for Energy Efficiency Audits at PDAM Maros, PDAM Takalar and PDAM Jenepono and PDAM Sukoharjo.

The following is a summary of main achievements in the last year and quarter:

Region	PDAM	Summary of Achievement
North Sumatra	Tanjung Balai	EEA was conducted for 7 pumps with recommendation to replace 3 intake pumps for total investment of Rp 1 billion and pay back period of max 2.5 year; also to recondition impellers of other 4 pumps with investment cost of Rp 160 million and pay back period of 0.6 year.
	Asahan	EE was conducted for 4 pumps with recommendation that 3 pumps are replaced with total investment of Rp 750 million and payback period of less then 1 year. For 1 pump it is recommended to recondition impeller with investment cost Rp 10 million and saving Rp 6 million per year
	Langkat	Energy Audit result submitted and discussed with PDAM. EEA conducted at 4 pumps. PDAM management plan to follow up EEA result with 3 of 4 audited pumps has efficiency below 21% and recommended to be replaced. The payback period of these 3 pumps is less than 1 year.
	Tebing Tinggi	7 pumps were audited. It is recommended to recondition 3 pumps and replace 3 pumps for estimated Rp 1.2 billion and payback period between 0.7 - 3 year.
West Java Banten DKI	Kab. Bekasi	Presented EEA result audit to PDAM Management and monitoring the follow up of Energy Efficiency Audit at 9 pumps
Central Java	Surakarta	PDAM continues to implement Efficiency Energy Audit results conducted in 2013 by preparing 1 variable speed driver at Kartosuro unit for year 2016.
	Salatiga	4 check valves were installed at outlet of pumping system Kalisombo as recommended by EEA also PDAM replaced motor at Kalisombo from 65KW to be 55 KW, and proposed to PLN to reduce electricity from 3 phase to be 2 phase
	Rembang	At this quarter PDAM modified 2 pumps from separate to pararel operation as recommended from EEA conducted in previous quarter.
	Sukoharjo	Energy Efficiency Audit started in this quarter
East Java	Gresik	PDAM replaced 1 intake pump at Legundi as recommended from EEA.

Region	PDAM	Summary of Achievement
South Sulawesi	Pare-Pare	PDAM not yet implement the recommendation from EEA due to new PDAM Director.
	Maros	Energy Efficiency Audit started in this quarter
	Takalar	Energy Efficiency Audit started in this quarter
	Jeneponto	Energy Efficiency Audit started in this quarter
National		- Energy Efficiency Guidelines and Roadmap developed and adopted by GOI - Booklet on EEA Best Practice and Lesson Learned at 8 PDAMs completed. - Performance Based Contract template and contract mechanism ongoing

Non Revenue Water Reduction

Reduction of Non-Revenue water (NRW) is the largest contributor to improve PDAM Operational and Financial performance, especially where PDAMs do not have capacity to connect new customers or problems with pressure management. NRW levels amongst most all PDAM are generally very high (often more than 35%) and aim of NRW reduction program is to bring it down to 20%.

At National level in last year, IUWASH provided technical support to Ministry of Public Works and Housing to include NRW reduction programs under the Output Based Aid (OBA) and Performance Based Contract (PBC) mechanism, which were shared in international conference in May 2015. IUWASH also supported capacity building on NRW reduction through “PDAM clinics” (with PERPAMSI) and for Provincial Centre of Excellence (with MPWH).

IUWASH regional activities in past year supported 23 PDAMs with various technical assistance programs: classroom and on-the-job technical training for PDAM staff; support demonstration projects (District Metering Areas and improved field measurement); support preparation and adoption of internal utility regulations related to NRW staffing and budgets; and addressing critical issues such as illegal connections, etc.

The following is summary of main achievements in NRW Reduction during the year and quarter:

Region	PDAM	Summary of Achievement
North Sumatra	6 PDAMs	Continue monitoring NRW activities of PDAMs joined previous training. (Binjai, T. Tinggi, Pem. Siantar, T. Balai, Asahan and Labuhan Batu)
	Langkat	IUWASH mentored PDAM to install 23 pressure point and measure discharge & pressure to analyse water flow and possibility NRW, including locating leaks, evaluation of pressure result; activities will be continued in PY 6 with next step of NRW reduction
West Java , Banten , DKI	PAM Jaya	Advanced NRW training for PDAM Jaya, Aetra and Palyja was moved to next quarter, because of request from PAM Jaya to IUWASH to review water balance of PALYJA and AETRA to be presented to DKI Governor.
Central Java	Kendal	From replication DMA at Cabang Kota unit, 800-1000 connections, NRW at this area reduced 2%.
	Sukoharjo	PDAM conducted accuracy test of all customer meter and replaced 750 as part of their NRW reduction activities. They also prepared map of distribution pipe at Grogol Area as preparation to setup DMA.
	Rembang	PDAM Rembang conducted step test in DMA replication area Desa Ngotet,
	Batang	At pilot project of DMA Karangasem and Kidung Loh (816 households), NRW was reduced by 10%. Example will be replicated to other zones
	Salatiga	PDAM Salatiga decreased NRW by 37% at Pilot project of DMA Sidomukti
	Surakarta	NRW at pilot project of DMA Pucangbaru (516 hc) can be decreased 5%
East Java	Kab. Malang	NRW facilitator started working on 1 September 2015
	Kab. Probolinggi	Regular Monitoring PDAM performance as result of previous training programs
	Kab. Mojokerto	

Region	PDAM	Summary of Achievement
	Jombang	
	Gresik	
	Kab. Sidoarjo	
	Kota Probolinggo	
SSEI	Jayapura	At this quarter IUWASH focused support to PDAM to replace /install customer water meter (existing customer, but without water meter): <ul style="list-style-type: none"> • at Jaya Asri area 300 customer, completed • at Entrop area, 600 of 700 customer completed • at Harbor area, 60 customer on going

Distribution Network Improvement

Distribution network improvement aims to put in place more rational distribution systems, reduce inefficiencies, and as a consequence, improve service provision to customers, especially those at the end of distribution networks (which in many cases are low income communities). Additionally, capacity building activities on DNI help PDAM staff better understand how to plan for and adapt to future system expansions and overall distribution network planning.

Over the past year IUWASH supported 13 PDAMs with DNI, through various classroom and on-the-job training. At the National level, IUWASH is providing all necessary technical (backup) support for the regions to prepare SoW for local consultants, conduct tenders, and troubleshooting as required. IUWASH National team also regularly arranged meetings with MPWH to allocate APBN in support of investment needs for IUWASH cities.



HENDRI/IUWASH SSEI
 Water pressure measurement by PDAM Takalar staff.

The following are some highlights of IUWASH DNI program during this year and quarter:

Region	PDAM	Summary of Achievement
North Sumatra	Tirtanadi	Completed survey and mapping of 1.000 poor households in Belawan. Prepared DED of distribution network to serve Belawan area. With funding from APBN, SATKER North Sumatra in this quarter, started to install main distribution pipe from Martubung to Belawan, Dinas PERKIM Medan also started tender process of secondary and reticulation pipes in 3 subdistricts (Bagan Deli, Belawan Bahagia and Belawan I)
	Langkat	Follow up field survey distribution pipe, IUWASH continued to support PDAM to use GIS to complete as-built drawing.
	Tanjung Balai	Final report of DED of distribution pipe for 50 l/s to serve 4.000 connections is completed. Satker accepted DED to obtain APBN 2016.
WJDB	Bekasi	DED of Distribution Network for Pondok Gede and Jatiasih, 300 l/s completed, estimated investment required is Rp 91 billion (APBN).
Central Java	Batang	IUWASH continue to support PDAM to implement recommendations: <ul style="list-style-type: none"> • Bandar unit: replaced 3 km pipe; additional 4 km pipe & reservoir 500 m3 • Blado Unit: installed distribution pipe dia 40 mm & 90 mm, 3.300 m • Batang branch: constructed 3 spring caps and 2.900 m pipe • Subah unit: installed 2,172 m distribution pipe and reservoir 500 m3
	Rembang	PDAM implement 300 meter pipe distribution replacement (dia 300 mm) at Pangkiran and installed valves at unit Lasem
	Klaten	IUWASH supporting PDAM to implement recommendation from DED to construct

Region	PDAM	Summary of Achievement
		reservoir 200 m3 and install distribution pipe
	Sukoharjo	At this quarter PDAM continue to develop zoning system as recommended at evaluation and optimization of distribution network
East Java	Lamongan	IUWASH monitor PDAM to optimize distribution system, post-operation of WTP Ploso for 100 l/s. The pressure increased and customers furthest away from water treatment plant now receive better water quantity and continuity
	Probolinggo	IUWASH continue to monitor the impact of PDAM development of distribution system in the South Area of Kota Probolinggo
SSEI	Makasar	Detailed study of Distribution system of old city area completed; PDAM started to implement follow-up
	Pare-Pare	Detailed design of distribution network completed.
	Takalar	Draft final report of Detailed design of distribution network to improve

Production Capacity Optimization

Optimizing production capacity is a critical part of increasing access to piped water in the most cost efficient way, and also provides direct benefit for customer and PDAM. In many cases, financing is available from National Government (Ministry of Public Works and Housing) through the Provincial SATKER system, but (especially smaller) PDAMs do not generally have the capacity to conduct technical assessments and develop Detailed Engineering Designs (DEDs) that are acceptable to SATKER which provides approval for funding.

Over the past year IUWASH supported 14 PDAMs with PCO, mainly through supporting development of DED for local consultant companies, conduct tenders, and development of Standard Operating Procedures for operating existing water treatment plants. The National team also regularly conducted meetings with MPWH to make sure the projects are included in the annual APBN allocations. Total investments by APBN, APBD and PDAM to support PCO in PY 5 is around Rp xxx billion

The following table summarizes main achievements under Production Capacity Optimization:

Region	PDAM	Summary of Achievement
North Sumatra	Labuan Batu	Construction SPAM Bilah Barat and Rantau Utara (Rp 20 billion), with DEDs supported by IUWASH in final installation stage.
		DED for IKK Panai Tengah 20 l/s supported by IUWASH is completed. SATKER PAMs is tendering construction for piping and booster pump
	Tebing Tinggi	DED for 1 Water Supply System supported by IUWASH, is constructed by SATKER (APBN Rp 8.5 billion) and on trial run.
	Tanjung balai	DED for 1 Water Supply System (50 l/s) completed and under construction with APBN/Satker financing (Rp 11 billion)
		Final report of Study and Detailed Design to up-rate WTP from 50 -100 l/s completed. DED accepted by SATKER to obtain APBN 2016 funding. Final report for DED water distribution is completed and accepted by SATKER to obtain APBN 2016 funding.
Binjai	Detailed design of WTP completed. The first 20 l/s including distribution pipe has been allocated by APBN 2015. SATKER will use DED to get fund from APBN 2016 for second phase (20 l/s)	
West Java, Banten	Lebak	DED of uprating 2 WTPs completed. Province budgeted Rp 700 million in 2015 to uprate WTP from 20 l/s to 50 l/s
	Kab Bandung	DED of Water supply system Kertasari, 2000 l/s from 5 springs completed ; will require investment Rp 194 billion from APBN.
Central Java	Semarang (Jomblang)	Water tower and reservoir for 1,000 low income households completed and connections made.
	Sukoharjo	DED to up-rate WTP Pondok Indah completed

Region	PDAM	Summary of Achievement
East Java	Lamongan	WTP Babat already uprated from 150 to 190 liter/seconds (additional 3,000 connections). financing by APBN ; IUWASH provide training on the preparation of SOP of O&M of production system.
	Kota Mojokerto	IUWASH provide training to update and implement SOP of O&M of production systems and monitor implementation
South Sulawesi	Jeneponto	IUWASH continues to monitor water quality test result every 6 months and will provide refresher training if needed
	3 PDAMs	IUWASH supports PDAM Sidrap, Jeneponto and Bantaeng to prepare Standard Operation Procedure (SOP)

GIS/MIS support

Since 2012, IUWASH has been supporting PDAMs to establish and/or improve GIS/MIS capacity, to improve operation and maintenance of the distribution network, improve services to customers through better billing systems, and accelerate network expansion and the number of customers served; data will assist in faster evaluation of conditions and take action as necessary. For PDAMs not yet familiar with GIS, IUWASH provides basic GIS training, while for PDAMs already using GIS, IUWASH assesses on case by case basis how to improve and optimize their capacity and, where requested, introduce MIS for customer data.

Over the last year IUWASH conducted basic GIS training for over 35 PDAMs in all IUWASH regions. IUWASH GIS experts were assisted by GIS / MIS specialist from PDAM Kota Malang and Kabupaten Bandung, who already have a good GIS / MIS system and agreed to share all (open source) software and implementation details with other PDAMs supported by IUWASH. These systems do not only include technical information (location of piping network and other infrastructure, waterflow), but also customer data (locations, billing information, etc).

The following table summarizes some of the main achievements under the GIS/MIS program:

Region	PDAM	Summary of Achievement
North Sumatra	6 PDAMs	IUWASH continues mentoring to digitize pipeline and customer for 6 PDAMs by 2 GIS facilitators and the progress are: <ul style="list-style-type: none"> • Sibolga 7 staff trained, digitizing pipe line done including 800 customers + 200 non customers. • Langkat 2 staff trained, digitizing pipe line are done for Stabat including 500 customers + 100 non customers • Binjai 2 staff trained, digitizing pipe line are done including 630 customers + 88 non customers • Pematangsiantar 3 staff trained, digitizing pipe line are done including 1,000 customers + 800 non customers • Asahan 2 staff trained, digitizing pipe line are done for Kisaran city including 2,000 customers + 1,500 pilot customers • Tanjungbalai 1 staff trained, digitizing pipe line done including 1,000 customers
	Kota Medan	Cooperate with PDAM Kota Malang, IUWASH facilitates PDAM Medan to improve MIS, by (a) PDAM Medan visit PDAM Kota Malang to see MIS system and operation, (b) PDAM Kota Malang conduct assessment of existing MIS at PDAM Medan, and (c) PDAM Malang staff conduct training and directly improve MIS at PDAM Medan and prepare "MIS Master Plan".
WJDB	Kota Bekasi	Regular monitoring both PDAM to implement GIS after facilitated spatial data development done in previous quarters
	Kab Bekasi	
	Kota Bogor	training of customer data spatial and billing interface to MIS

Region	PDAM	Summary of Achievement
	6 PDAM	Follow-up and monitoring results of MIS workshop with PDAM Kab Bandung and Kota Malang (previous quarter), to set up MIS system
Central Java	5 PDAM	Regular monitoring PDAM to implement GIS after training conducted in previous quarters (Kudus, Klaten, Kendal, Kab Semarang, Salatiga)
	3 PDAM	Facilitate Spatial data development for 3 PDAM: <ul style="list-style-type: none"> • PDAM Sukoharjo fill in primary pipe spatial data at all service area in GIS (25 km transmission pipe and 210 km distribution pipe). Also develop customer spatial data at for 4.000 customer. • PDAM Batang fill in spatial data in GIS (222 km distribution pipe) and 3.000 customer data • PDAM Rembang fill in spatial data in GIS (13,45 km transmission pipe, 58 km distribution pipe) and 2.031 customer data.
East Java	Kab Malang Kot Probolinggo Batu	continue to monitor GIS progress with results until last quarter: <ul style="list-style-type: none"> • Kab. Malang fill in all spatial data at Kec Kepanjen in GIS • Probolinggo fill in all customer and distribution spatial data in GIS • Kota Batu fill in all primary and secondary spatial data and 60% of tertiary pipe and 40% of customer spatial data in GIS
	Gresik, Kab Probolinggo, Jombang	IUWASH facilitates introduction of GIS technology for PDAM Jombang, PDAM Gresik and PDAM Kab Probolinggo. Activities in this quarter are compiling spatial data of distribution pipe and customer data
	Kabupaten Mojokerto	IUWASH cooperate with PDAM Malang to facilitate PDAM Mojokerto to improve MIS, by (a) visit PDAM Malang to see MIS system and operation, (b) PDAM Kota Malang conduct assessment of existing MIS at PDAM Mojokerto, and (c) PDAM Malang conduct the training
South Sulawesi & East Indonesia	6 PDAMS	Continue to monitor the progress of development of spatial data base at 6 PDAMs (Pare-Pare, Pinrag, Sidrap, Enrekang, Jeneponto and Bantaeng)
National		Collaborate with Cipta Karya to disseminate and implement INFO PDAM and E-PDAM programs at IUWASH locations, especially for Sulawesi PDAMs who do not need to pay for installing the software program.

The following is summary of main achievements under program WS I IUWASH regions:

North Sumatra Region:

The 9 PDAM partners in North Sumatera improved their performance significantly in PY5, including their borrowing capacities, through successful provision of IUWASH technical assistance. Based on the latest review of their performance index, PDAM PI of all PDAM partners is now above 20%.

The key IUWASH support this year was particularly in providing DEDs to PEMDA funds production capacity improvement and GIS development to modernize data to improve PDAM management and planning

Achievements this quarter include:

- Conducted workshop to update PDAM performance index of all PDAM partner for June 2015.
- Encouraged PDAMs to implement recommendation of EEA studies for 4 PDAMs (Tanjungbalai, Asahan, Tebing Tinggi and Langkat).
- Conducted post NRW training for PDAM Langkat, by installing 30 manometers to monitor pressure as part of NRW. With the result IUWASH will facilitate follow up actions through NRW expert for supporting mentoring process for the PDAM.
- Supported Production Capacity Improvement program through development of DED for PDAM Labuhanbatu Tanjungbalai, Binjai and Belawan Medan.

- Supported the implementation of GIS and PDAM data spatial development for 6 PDAMs (Sibolga, Binjai, Langkat, Pematangsiantar, Asahan and Tanjungbalai). IUWASH supports consist of digitizing distribution pipeline are completed and customers input more than 90% done.
- Facilitated PDAM Tirtanadi to adopt MIS System from PDAM Kota Malang.

West Java, DKI Jakarta and Banten Region:

IUWASH WJDB support in PY5 to improve PDAM technical aspect contributed to the increase PDAM Performance index. By end of this year, 8 PDAMs reached their performance rating up or beyond 20%. The key programs that were implemented successfully this year with PDAM partners were development the GIS system for PDAM Kota Bekasi and Bogor and Kab. Bekasi; NRW reduction Program at Palyja (DKI Jakarta). Kota Bekasi and PDAM Kab. Serang; Energy efficiency Audit to reduce the operational cost and looking for future strategies in using efficient and low-wattage pumps conducted at PDAM Kab. Karawang and Bekasi.

Achievements this quarter include:

- Conducted workshop to update semi-annual PDAM performance index of all PDAM partner for the period of January-June 2015. Performance index of only PDAM Lebak still less than 20%
- IUWASH assisted PDAM Kota Bogor in the development of the GIS/MIS system and final draft was completed in August 2015. IUWASH conducted GIS/MIS training on September 2015.
- Support PAM Jaya to review NRW Water Balance of Palyja and Aetra and agreed advanced NRW training material and schedule.

Central Java Region:

The PY5 key achievement on improved PDAM technical aspect in Central Java was marked by achievement of PDAM Performance Index for all 9 PDAM partners. The largest contribution was from technical, financial and raw water protection program. Key activities conducted this year to included development of GIS in PDAM Kab. Batang, Rembang and Sukoharjo; NRW reduction in PDAM Kota Surakarta, Salatiga and Kab. Batang; SOP development of PDAM Kota Surakarta and Kab. Rembang; and Business Plan review of PDAM Kab. Batang. Also PDAM Kab. Batang has been awarded PERPAMSI Award 2015 on having high performance in this year

Achievements this quarter include:

- Conducted workshop to update semi-annual PDAM PI of all PDAM partner for the period of January-June 2015 ; all PDAM partners increase more than 20%
- Conducted Energy Efficiency Audit (EEA) in PDAM Rembang which included assessment of 12 pumps across several production units. EEA formulated recommendations for improvement of pumping system and electrical drives for energy saving. One recommendation is already implemented, which is the installation of two pumps in parallel in units Pamotan, which will greatly preserve the life of the pump efficiency.
- Conducted pilot project of NRW reduction program in several areas of PDAM Kota Surakarta, Kota Salatiga and Kab. Batang.
- Support PDAM Sukoharjo to prepare DED uprating/ optimizing of WTP Nguter. DED includes the WTP from 20 lps to 30 lps, and uprating from 20 lps to 50 lps. PDAM will implement the program in year 2016.
- GIS program was conducted in PDAM Sukoharjo, Batang, and Rembang. This included mapping GIS spatial data of primary piping for the entire service area in each of the PDAMs, and mapping of spatial data customers in one cluster. GIS Development has managed to do a geographic spatial mapping at PDAM Rembang, PDAM Sukoharjo and PDAM Batang.

East Java Region:

During PY5, IUWASH East Java Region implemented several activities to support improvement of the PDAM Performance, including NRW Reduction, Energy Efficiency, Distribution Network Optimization,

Production Optimization, GIS/MIS Program, etc. 11 PDAMs out of 12 have already increase their performance Index more than 20%. Only Kota Malang is still less than 20%, but that is because baseline for Kota Malang was already high.

Achievements this quarter include:

- Conducted workshop to update semi-annual PDAM performance index of all PDAM partner for the period of January-June 2015.
- Facilitated development of GIS for PDAM Kab. Probolinggo, Gresik and Jombang. The activity was focused on development of PDAM GIS database in the pilot area.
- Supported development of MIS for PDAM Kab. Mojokerto. The activities were initiated through a comparative study to PDAM Kota Malang and it followed up with training for PDAM Kab. Mojokerto staffs and trained by staff from PDAM Kota Malang.
- Facilitated the implementation of NRW program in Kab. Malang. They developed a pilot plan (started in September 2015).
- The Production Capacity Improvement was carried out for PDAM Lamongan and Jombang. PDAM Lamongan has been able to improve services, particularly by utilizing WTP Plosowahyu. Two other WTPs are now able to produce water with the quantity and quality in accordance with technical specifications with production capacity of 170 liters/sec. PDAM Kab. Jombang is planning to improve the production unit and included this in their Business Plan.
- Distribution System Optimization was conducted in Kab. Lamongan and Kota Probolinggo. The PDAM have also been able to improve service by optimizing the distribution system. Currently, through this progress, the furthest area can also receive water every day for at least 16 hours

South Sulawesi and Eastern Indonesia Region:

Technical assistance to PDAMs in South Sulawesi & Eastern Indonesian Region focused on development of SOPs, NRW, Water Quality Management, Distribution Network improvement, Energy Efficiency Audits and Raw water management. The NRW program by PDAM Jayapura included piping network repair, replacement of broken meters and new installations for customers (that have no water meter), and conducting customer census for 6,000 customers to reduce illegal connection. Another key achievement this year was in optimizing the distribution pipes network in PDAM Kab. Takalar. From this program, there are now 5.000 people in Leikang who previously did not get water because of water retention by air inside the pipe. For the Water Quality Program, through IUWASH support, PDAM Jeneponto has collaborated with Health Office to conduct regular evaluation and monitoring on water quality.

Achievements this quarter include:

- Conducted workshop to annual PDAM performance index of all PDAM partner for January-June 2015 which PDAM Index of all PDAM partner increased more then 20%
- Technical support on PDAM Jayapura on NRW reduction program especially on distribution pipelines rehabilitation and water meter replacement programs.
- Monitoring rehabilitation and optimize of main distribution pipelines study for PDAM Takalar.
- Conducted Water Quality Management training for PDAM



PDAM TAKALAR
Experiment comparing PAC and Tawas.



AGUNG KURNIAWAN/IUWASH SSEI
Customers Census – PDAM Jayapura.

Parepare, Pinrang, Sidrap, Enrekang, Takalar, Jayapura & Ambon.

- Monitoring the WQM implementation in PDAM Jeneponto.
- Monitoring GIS in PDAM Parepare, Pinrang, Sidrap, Enrekang, Jeneponto and Bantaeng.

The following is summary of planned activities in WSI in the 5 IUWASH regions:

North Sumatra Region:

- Support on Energy Efficiency Audit for Labuhanbatu with possible assistance by OBA (GOI)
- Support NRW reduction for Langkat & Sibolga with possible assistance by OBA (GOI)
- Support spatial data development for as-built drawings for Tebing Tinggi & Pematangsiantar as an initiated by Ministry of Public Works
- GIS/MIS Development for PDAM Tirtanadi by provision of GIS/MIS blue print
- Evaluation of implementation production capacity for Langkat, Tebing Tinggi and Labuhanbatu.

West Java, DKI Jakarta and Banten Region:

- To facilitate PDAM Kota Bekasi to adopt MIS System from PDAM Kota Malang.

Central Java Region:

- Audit Energy Efficiency in PDAM Kab. Sukoharjo.
- Workshop on replication NRW reduction program at 9 PDAMs, to monitor and encourage the follow-up of NRW reduction program in the other area independently by PDAM partners.
- Training on "Bridging System" from GIS to MIS, to integrate GIS into MIS, Billing System in PDAM Rembang and Kota Salatiga.

East Java Region:

- Facilitating PDAM Kab. Sidoarjo to develop of PDAM MIS.
- Monitoring progress NRW Program, for PDAM Kab. Malang
- Facilitate development of PDAM GIS for PDAM Kab. Jombang, Gresik and Probolinggo.

South Sulawesi and Eastern Indonesia Region:

- Continue to support PDAM Jayapura on the implementation of NRW reduction program.
- Continue support the implementation of WQM to PDAM Jeneponto, Pinrang, Sidrap, Enrekang, Jayapura and Ambon.
- Finalizing study on development and optimizing main distribution pipelines for PDAM Takalar.
- Continue to support GIS development to 6 PDAMs.
- Support the development of MIS in PDAM Maros & Jeneponto

Program WS-2: Improved PDAM Financial Aspects

PDAM Corporate / Business Planning

Corporate planning provides a basis for the medium-term development of each PDAM, and is an important reference for service improvement. As of September 2015, IUWASH has assisted (or is still assisting) 34 PDAMs across all regions with their business plans.

Highlights from the past year include: preparation of BP PDAM Medan and approval by Supervisory Board and provincial government contributing financing ; socialization workshop for PDAM Kota Bekasi's BP, followed by Mayoral approval; completion of Kab Tangerang's BP; completion of BP PDAM Batang, incl customer satisfaction survey; review of BP of PDAM Kab. Semarang and PDAM Salatiga for the period of 2016 – 2010 especially to insert climate change adaptation program; serial training on development of BP

PDAM Sidoarjo and Gresik; completion of BP for PDAM Bantaeng; and completion of the first full draft of the corporate plan for PDAM Jayapura.

The following table lists BP plans supported by IUWASH, including the current status.

IUWASH PDAMs receiving corporate planning support

	Location	Progress through QPR 18/PY5
1	Tanjung Balai	Final with approval from Mayor (SK Walikota) in November 2013
2	Tebing Tinggi	Final with approval from Mayor (SK Walikota) in June 2014
3	Pematang Siantar	Final with approval from Mayor (SK Walikota) in November 2013
4	Langkat	Full document completed in January 2014 being approved by local government.
5	Kab. Labuhan Batu	Discontinued.
6	Kota Sibolga	Full document completed in January 2015 being approved by local government.
7	Tirtanadi Medan	Full document completed in July 2015, discussion with Supervisory Board completed. Next step is approval from Governor of North Sumatera.
8	Kab. Karawang	Final with approval from Mayor – PY3
9	Kab. Bekasi	In process – The original draft (prepared in 2014) requires revision.
10	Kota Bogor	Final with approval from Mayor in February 2014. Need revision to include LLTT program being organized by PDAM.
11	Kab. Serang	Final with approval from Mayor in July 2013.
12	Kab. Lebak	Final in process – Draft completed in July 2014, approved by local government.
13	Kota Bekasi	Final with approval from Mayor in June 2015.
14	Kab. Tangerang	Final in process – Full document completed. Being approved by Mayor
15	Kab. Kendal	Final with approval from District Head in May 2013
16	Kab. Kudus	Discontinued.
17	Kab. Semarang	Final in process – Full document completed that include CCVA report in September 2015. Next Step is Mayor approval.
18	Kota Salatiga	Final in process – Full document with CCVA included. BPPSPAM (PU) has taken over following process for finalization that include Mayor approval step.
19	Kab. Sukoharjo	Final with approval from Mayor (September 2013).
20	Kota Semarang	Final with approval from Mayor in November 2014.
21	Kab. Klaten	Discontinued (Indll to finalize).
22	Kab. Batang	Final in process – Full document completed being approved by Mayor.
23	Kab. Jombang	Final in process – Full document completed being approved by Mayor.
24	Kab. Probolinggo	Final with approval from Mayor in July 2014
25	Kota Probolinggo	Final with approval of Walikota in November 2012
26	Kab. Mojokerto	Final with approval from Mayor in October 2013
27	Kota Batu	Final with approval from Mayor in October 2013
28	Kab. Lamongan	Final with approval from Mayor in July 2014.
29	Kota Malang	Final in process – Full document completed being approved by Walikota
30	Kota Mojokerto	Final with approval of Walikota in September 2014
31	Kabupaten Gresik	In process – Capex and finance chapters to follow.
32	Kabupaten Sidoarjo	Final in process – Full document completed, being approved by Mayor
33	Kab. Bantaeng	Final in process – Full document completed to be discussed with new director and stakeholder and being approved by Mayor (No definitive PDAM director).
34	Kab. Jayapura	Final in process – Full document completed being approved by Mayor.

PDAM Tariff Review and Billing and Accounting Programs

Tariff adjustment and reclassification is a fundamental aspect of ensuring the financial health of PDAMs. As of September 2015, IUWASH has assisted (or is still assisting) 26 PDAMs across all regions with their business plans.

Activity highlights during the past year include: second opinion on tariff review of PDAM Tanjung Balai; reclassification surveys for PDAM Lebak, Serang, Surakarta, Bantaeng, and Jeneponto; tariff analysis for PDAM Jombang and Kota Mojokerto, which are now awaiting final approval by each Mayor; Tariff Reclassification for PDAM Takalar, resulting in increase revenue of Rp 385 million / month, whereby before the reclassification it was Rp 293 million / month for 3.817 customers.

IUWASH also continued to improve PDAM administrative systems through the modernization of billing and accounting systems. Specifically, during Q17 the system for PDAM Pare-Pare was finalized, all testing was completed, and the system is now being fully operated by the PDAM. The new billing and accounting system for Enrekang is also close to completion, with the hand-over to the PDAM expected next quarter.

Improvement of PDAM administration system through providing software of accounting and billing has continued during past year as well as this quarter. This support is crucial to increase efficiency and effectiveness of billing operation of PDAM. Activities during previous year include: Monitoring of billing and accounting system for 7 PDAMs in North Sumatra; installing new systems (including intensive on-the-job training) in PDAM Purwakarta, Jombang, Lamongan, Gresik

The following table lists tariff review, reclassification and billing & accounting programs supported by IUWASH, including the current status.

IUWASH PDAMs receiving tariff adjustment support

	Location	Progress through QPR 18/PY5
1	Kota Sibolga,	Tariff adjustment approved by Mayor in July 2014.
2	Kota Pematang Siantar	Tariff adjustment approved by Mayor in July 2013
3	Kabupaten Asahan	In Process – Tariff adjustment postponed at Mayor request.
4	Kabupaten Karawang, West Java	Discontinued due to lack of PDAM engagement.
5	Kabupaten Purwakarta, West Java	Tariff reclassification approved by Mayor. Implement in Sep'15.
6	Kabupaten Lebak, Banten	In Process – Tariff reclassification survey completed. New tariff structure approved by Mayor.
7	Kabupaten Serang	Tariff Reclassification for 4,100 customers completed.
8	Kab. Klaten, Central Java	Tariff reclassification is approved by Mayor in Dec. 2014.
9	Kota Semarang, Central Java	In process – Tariff adjustment. Analysis to start.
10	Kab. Sukoharjo, Central Java	Tariff adjustment approved by Mayor in June 2015.
11	Kab. Batang, Central Java	Tariff adjustment approved by Mayor in January 2014
12	Kota Solo	In process - Tariff reclassification for water began in May and will be completed next quarter. Tariff for regular desludging is under review by the local government's legal department.
13	Kab. Mojokerto, East Java	Tariff adjustment approved by Mayor in February 2014.
14	Kab. Probolinggo, East Java	Tariff adjustment approved by Mayor in January 2014.
15	Kab. Lamongan, East Java	Tariff adjustment approved by Mayor in July 2013.
16	Kab. Gresik, East Java	Tariff adjustment approved by Mayor in December 2013
17	Kota Mojokerto, East Java	In Process – Tariff adjustment proposal discussed with supervisory board. Next step is Mayor approval.
18	Kab. Jombang, East Java	In process – Tariff adjustment proposal discussed with supervisory board. Next step is Mayor approval.

	Location	Progress through QPR 18/PY5
19	Kota Parepare, South Sulawesi	Tariff adjustment approved by Mayor in January 2013
20	Kab. Sidrap, South Sulawesi	Tariff adjustment approved by Mayor in June 2014
21	Kab. Jeneponto, South Sulawesi	Tariff Reclassification process is implemented in August 2015.
22	Kab Takalar, South Sulawesi	Tariff Reclassification process is implemented in July 2015.
23	Kab. Pinrang, South Sulawesi	Discontinued – Tariff adjustment - PDAM internal issue.
24	Kab Enrekang, South Sulawesi	Tariff adjustment approved by Mayor in February 2014.
25	Kab. Bantaeng	Tariff Reclassification process is implemented in August 2015.
26	Kab. Maros	In Process – Tariff Adjustment proposal under review.

PDAM Debt Restructuring

During the past year IUWASH continued assistance to the Ministry of Finance to formally write-off the non-principal loan of PDAM including request of exemption of tax implication. The total number of PDAM which has been processed for approval is 37 PDAM with a total write-off for non-principal arrears of Rp. 338 billion (including Rp 90 billion for IUWASH partners). In September 2015 this process has been completed and formal approval from Ministry of Finance has been issued for the amount of non-principle arrears of less than Rp. 10 billion including its tax exemption. Immediate approval is issued from President of Indonesia for the amount of non-principle arrears between Rp 10 billion to Rp. 100 billion and national parliament approval will be required for amounts higher than Rp. 100 billion.

IUWASH assisted the MOF in developing the analysis of which PDAMs were eligible for the debt cancellation (according to the specified criteria), collaborating closely with the Working Group for Debt Restructuring. IUWASH involvement for the write-off program is including preparing the analysis of business plan achievement and an analysis of the tax implications of the write-off which was then used as a supporting document for the associated tax exemption request.

The following is summary of main achievements under program WS 2 in IUWASH regions:

North Sumatra Region:

During PY05, significant achievement made was that IUWASH successfully facilitated 5 PDAMs (Labuhanbatu, Tanjungbalai, Tebing Tinggi, Medan, Binjai) to obtain got finding from PEMDA, increased revenue from tariff reclassification, and improved PDAM management and financial system by provision of SSKA program.

Achievements this quarter include:

- Supported PDAM Tirtanadi on the discussion their Business Plan with Supervisory board and Ministry of Public Work & Housing to get fund from Provincial and National Government.
- Provided input and professional opinion to the draft of tariff review of PDAM Tanjungbalai.
- Monitoring of functioning of improved billing and accounting system for 7 PDAMs.
- Monitoring of process to re-structure the PDAM debt are ongoing regularly by monthly basis

West Java, DKI Jakarta and Banten Region:

The key program implemented by IUWASH WJDB Team in PY5 covered several program such as review PDAM business plan (Kota Bekasi and Kab. Tangerang), tariff reclassification (Kab. Purwakarta, Serang and Lebak) and development of billing and accounting system (Kab. Purwakarta). The review of PDAM Business Plan for PDAM Kota Bekasi has been completed and signed by the mayor in June 2015 and shows the company's vision and mission including their five year program. Business plan for PDAM Kab. Tangerang is in final stage and socialized to the Supervisory board and all head departments. tariff reclassification survey's were conducted by PDAM partners. In Kab. Purwakarta it was conducted for 24,000 customers and a new local policy (Peraturan Daerah) on new tariff and customer reclassification tariff was enacted in

September 2015. The survey for Serang was conducted for 4,177 customers and data was uploaded into the PDAM database. The Director decree on the new tariff is enacted in September 2015 and with this decision the PDAM income per month will increase by Rp. 25,000,000. The development of billing and accounting system implemented in Kab. Purwakarta was able to transfer old data into the new system.

Achievements this quarter include:

- IUWASH monitored use of PDAM Kab. Tangerang Business plan that have been enacted in September 2015 and also the new act on customer reclassification tariff and the implementation of new tariff enacted by PDAM Purwakarta and PDAM Serang.
- new Billing and accounting System for PDAM Purwakarta evaluated and functioning successfully

Central Java Region:

In PY-5 IUWASH support three PDAMs with development of Business Plan: PDAM Batang from preparation up to the final stage, PDAM Kab. Semarang and Kota Salatiga to review of existing business plan and insert climate change adaptation programs. On Customer Reclassification, IUWASH provided support to PDAM Kota Surakarta to agree on criteria of customer classification, training for meter readers as field surveyor, and analysis of results. By end of PY5, IUWASH completed support on the customer reclassification especially for customers who experienced a change from household to commercial class. PDAM support to the debt restructuring monitoring in PY-5 were carried out in PDAM Rembang, Kota and Kab. Semarang and Surakarta; PDAM Rembang already repaid all in 2014, while PDAM Kota Semarang failed to pay and is proposed to be settled the office of the Vice President. PDAM Kab. Semarang is still on schedule of payments and PDAM Surakarta still have arrears and attempts to settled these through Equity infusion by PEMDA.

Achievements this quarter include:

- Completion of support to PDAM Kab. Batang in preparation of Business Plan through development of programs, investment and financial projections.
- Conducted review of Business Plan of PDAM Kab. Semarang for 2015 – 2018 and PDAM Kota Salatiga for 2016 – 2010 especially to insert climate change adaptation program.
- Implementation of customer reclassification for PDAM Kota Surakarta through training for meter readers and its analysis to reach 10,000 connections by end of 2015.
- Monitoring of debt restructuring focused on PDAM Kota Semarang and Surakarta debts arrears issues, specifically PDAM Kota Semarang in consultation with the office of the Vice President regarding debt relief programs, IUWASH assist preparation of options for the deletion program.

East Java Region:

In PY5, IUWASH provided facilitation to improve PDAM Financial Aspect through several activities such as development of PDAM Business Plan for Sidoarjo and Gresik, PDAM Tariff Adjustment for Kota Mojokerto and Jombang and facilitation in development of PDAM Billing and Accounting Software for Jombang, Gresik and Lamongan; and monitoring of Debt Restructuring Program of PDAM Jombang, Malang, Mojokerto, Lamongan and Probolinggo.

Achievements this quarter include:

- Facilitated preparation of development of PDAM Business Plan of Sidoarjo. It is in final stage and awaiting workshop presentation to PEMDA and stakeholders for approval and signing by Mayor.
- IUWASH provided facilitation in development of Business Plan PDAM Sidoarjo and Gresik through serial training. The progress is waiting input from Stakeholder and Mayors approval.
- Facilitation in Tariff adjustment through serial training for both PDAM Kota Mojokerto and PDAM Jombang are final and waiting approval from the Mayors.
- Debt restructuring of PDAM Kab Jombang, Malang, Mojokerto waiting approval from Ministry of Finance; while PDAM Kab Lamongan and Probolinggo waiting committee to the next step.

- Installation and training on Billing and Accounting Software for PDAM Kab. Jombang, Lamongan and Gresik has been completed and it is now running well.

South Sulawesi and Eastern Indonesia Region:

This year, IUWASH has provided support on implementation of FGD for development of PDAM Business Plan for PDAM Jayapura and Bantaeng, The documents have been done and final discussion will be implemented in early October 2015. IUWASH also supported tariff increase through several programs such as a) Tariff Adjustment proposal for PDAM Maros; and b) Tariff Reclassification for PDAM Bantaeng, Jeneponto and PDAM Takalar. From this support PDAM Takalar shows positive impact by increasing the revenue to Rp 385 million for 3.817 customers. IUWASH will continue to support PDAM Takalar in this program next year.

Achievements this quarter include:

- Finalized study on development of Business Plan of PDAM Jayapura and Bantaeng.

The following is summary of planned activities in WS 2 in the 5 IUWASH regions:

North Sumatra Region:

- Facilitate PDAM Tirtanadi to disseminate the Business Plan to multi-stakeholder and conduct presentation to the Governor to get an endorsement step.
- To conduct the finalization of PDAM Business plan for Kab. Asahan

West Java, DKI Jakarta and Banten Region:

- Facilitate and trained PDAM Kabupaten Serang in customer tariff reclassification surveys.
- Continue monitor and evaluate billing account system in PDAM Kabupaten Purwakarta, PDAM Kabupaten Serang and PDAM Kabupaten Lebak

Central Java Region:

- Training on Financial Projection in order to strengthen the ability of PDAM to do financial projections. The increased ability of PDAM is needed in order to conduct the review of their Business Plan regularly and independently.
- Conduct review/tariff adjustment of PDAM Kota Semarang

East Java Region:

- Assist PDAM Sidoarjo and Gresik to finalize and submit Business Plan to Mayor for his approval
- Facilitate Capacity Building on financial aspect for PDAM Kab Jombang, Lamongan, Malang, Kota & Kab Probolinggo, and PDAM Kota Mojokerto.
- Assist PDAM Kota Mojokerto and Jombang to prepare Mayors decree of tariff Adjustment.
- Monitoring and evaluation implementation the Billing & Accounting Software for PDAM Kab Jombang, Gresik and Lamongan

South Sulawesi and Eastern Indonesia Region:

- Conduct final presentation of the Business Plan of PDAM Jayapura and Bantaeng

Program WS-3: PDAM Customer Aspects

A good, professional customer engagement program is crucial for PDAM to get support from customers for tariff increases, willingness to connect to the system and regularly pay their bills. IUWASH supports PDAMs to engage with customers through tools like Customer Satisfaction Survey (CSS), and establish a

PDAM customer forum, to directly engage with customers. The result is the establishment of at least 20 Customer Organizations that report on PDAM operation and performance.

The focus of IUWASH support is through various capacity building activities as follows:

- Training 1 (2 days): PDAM operations (finance, planning, production and distribution), including a visit to PDAM intake, and WTP; also explanation on tariff structure, calculation, etc.
- Training 2 (2 days): customer forums roles and responsibilities, funding, activities, monitoring PDAM performance. Also topics how to identify leaks, ensure safe water, reduce chlorine odor.
- Training 3 (2 days): communication and promotional strategies and campaigns, how to socialize forum roles to customers; conduct advocacy to PDAM management, and PEMDA.

By the end of PY5 there were 22 Customer Communications Forum were established by 22 PDAMs. Initially IUWASH started with 24 PDAMs, but during PY5, two forums stopped performing due to internal problem with PDAM's management. Achievements include:

- In Central Java, 6 Forums agreed to establish Paguyuban Banyu Bening as regional organization for PDAM customers, to encourage other PDAMs in Central Java to establish their own customer forum. They already held two regional workshops, in Batang and Rembang. The next regional forum meeting will be held in Sukoharjo in March 2016.
- Specific capacity building (training 3) on media relations for customers forums in Lebak, Serang, Maros, and 6 forums in Central Java.
- All 22 forum administrators are now using PDAM service monitoring sheet to record and report PDAM services at the household level and the neighborhood. Based on these monitoring sheets they develop monthly and quarterly reports, and discuss the findings with PDAM.
- Most forums are already actively involved in PDAM's activities such as field visit, tariff adjustment preparation and socialization to customers, customer meeting, non-revenue water, etc.

Following table is overview of achievements on Customer Forum development to date:

Region	Location	Summary achievement
National level		<ul style="list-style-type: none"> • Development of PDAM Customer Forum facilitation toolkit and booklet. • Preparation of national workshop on PDAM customer forum in December 2015 • Facilitate capacity building for forums that have been formed, on PDAM and forum roles, and communication and advocacy strategy.
North Sumatra	Kota Sibolga Kab. Langkat Kota P. Siantar Kota T. Tinggi	<ul style="list-style-type: none"> • All forums in North Sumatra have completed all steps. Waiting for verification to claim completed. • All forums keep implementing monitoring activities on PDAM's service performance, while working together with PDAM to do socialization and education on water provision.
West Java & Banten	Kab. Serang Kab. Lebak Kab. Tangerang Kota Bekasi	<ul style="list-style-type: none"> • Most members of FKP PDAM Kab. Lebak have carried out their duties as representatives of customer in each region. • Forum Kolektor PDAM (PDAM billing collectors) as customer forums in PDAM Kota Bekasi are conducting socialization of the existence of the forum, a complaints mechanism through forums, through meetings in some residential.
Central Java	Kota Semarang Kab. Batang Kab. Rembang Kab. Klaten Kab. Sukoharjo Kota Surakarta	<ul style="list-style-type: none"> • All forums use PDAM Monitoring Sheet to report PDAM's services. • All forums IUWASH partners agreed to establish Paguyuban Banyu Bening as regional organization for PDAM customers. • FKP Kota Semarang keep implementing talkshows in local radio twice a month, with a variety of topics related to the PDAM

Region	Location	Summary achievement
		<p>service. Forum has also been accommodating, distribute and monitor customer complaints settlement. FKP Kota Semarang is ready for verification.</p> <ul style="list-style-type: none"> • Forkompampta Solo (customer forum of Solo) implements a monitoring mechanism on PDAM services through regular meetings with customers three times a month. PDAM management and staff always attend to resolve complaint, Forkompampta is ready for verification. • Training on media design in PDAM. Klaten and Sukoharjo • Training on media relations during forums regional meeting in Rembang.
East Java	Kab. Sidoarjo Kab. Jombang Kab. Lamongan Kota P'linggo Kab. Malang	<ul style="list-style-type: none"> • Activities in monitoring PDAM services is on going in all forums. • FKP Lamongan is back on track after being halt due to discrepancy of opinion with Director of PDAM.
South Sulawesi	Kota Jayapura Kab Maros Kota Takalar	<ul style="list-style-type: none"> • Customer Forum of PDAM Jayapura has performed very well with customer meeting as PDAM service monitoring mechanism. FKP Jayapura is ready for verification. • FKP Kab Maros has conducted a household survey to find out about PDAM services from a gender perspective. Forum will be trained on data processing and survey reporting. • FKP PDAM Takalar is back on track after PDAM director was formally appointed by Bupati. Now forum members start using Monitoring sheets to do monitoring and reporting of PDAM service performance.

Approach for Sustainability

After a forum is formed and performs, the sustainability of the forum needs to be safeguarded as well. In several locations, PDAM management has shown to be reluctant to work together with the forum, as they do not yet see the benefit for them to improve their performance. This means they also might stop providing future financial support to the FKP to implement their activities. Therefore it is necessary that IUWASH in PY6 focuses more on sustainability of the forum after IUWASH program is finished such as:

1. Closer involvement of members of the Supervisory Board (Dewan Pengawas) on the importance of the customer in any activity involving customer forum.
2. Strengthening management capacity of forum to be more independent in carrying out monitoring and reporting the performance of PAM.
3. Facilitate forum registration officially as community organization to obtain a budget from APBD.
4. To advocate to the Ministry of Public Works, BPPSPAM, and PERPAMSI to encourage all PDAMs to form a forum or cooperate with customers

The following is summary of main achievements under program WS 3 in IUWASH regions:

North Sumatra Region:

- Conducted monitoring on the implementation of FKP program activities to review the functioning of the FKP to support PDAM operation.

West Java, DKI Jakarta and Banten Region:

- Workshop to develop a three months action plan and progress evaluation of the customer communication forum roles and responsibilities completed for three PDAM Kabupatens namely PDAM

Kabupaten Serang, PDAM Kabupaten Lebak and PDAM Kota Bekasi. For PDAM Kabupaten Tangerang will be conducted end of September 2015

Central Java Region:

- Monitoring and evaluation of FKP implementation in PDAM Kab. Batang, Kota Semarang, Kota Surakarta and Kab. Sukoharjo to recognize the process and performance achievements.
- Advocacy for the management of FKP and PDAM Kab. Sukoharjo to support cooperation between the two parties in improving PDAM services.
- Advocacy in preparation of the monitoring report for the entire FKP boards.
- Regional Workshop of FKP followed by all FKP and PDAM as an annual evaluation, develop program planning, cross study and discussion on building a partnership with the media



East Java Region:

- Monitoring performance of PDAM FKP to make sure each forum reports service performance of PDAM regularly by monthly or quarterly basis.

South Sulawesi and Eastern Indonesia Region:

- Monitoring the implementation of action plan developed by FKPs in Maros, Takalar & Jayapura

The following is summary of planned activities in WS 3 in the 5 IUWASH regions:

North Sumatra Region:

- Strengthening and monitoring of established 4 FKPs are Langkat, Tebing Tinggi, Sibolga and Pematangsiantar, the monitoring particularly on functioning and their activities

West Java, DKI Jakarta and Banten Region:

- Monitoring of the implementation of customer communication forums of PDAM Kota Bekasi, PDAM Tangerang, PDAM Serang, and PDAM Lebak in October and November 2015.
- Training on public relation in PDAM Kota Bekasi and PDAM Serang in November 2015

Central Java Region:

- Continue to monitor the implementation of program activities by FKP in all 6 cities.

East Java Region:

- Conduct capacity building for PDAM FKP in Kab. Mojokerto.
- Conduct workshop on improving monitoring of PDAM Services for 6 FKPs.

South Sulawesi and Eastern Indonesia Region:

- Conduct training on the results survey and monitoring of water Quality, Quantity and continuity (K-3) by FKP PDAM Maros and Takalar.
- Presentation the result of Gender survey by FKP to PDAM Maros;
- Continuing support implementation of action plan of FKP PDAM Maros, Takalar & Jayapura

Program WS-4: Raw Water/Climate Change Adaptation

In PY 5, IUWASH continued implementation of the *Climate Change Vulnerability Assessment and Adaptation Plan (CCVAAP)* program activities. The VAAP program starts with a *Climate Change Vulnerability Assessment (CCVA)* to identify vulnerability facing PDAM's natural and built assets. Results of CCVA are discussed through stakeholder process and an *Asset Risk Matrix (ARM)* is developed to see how hydro-meteorological risks alter due to climate change and affect the PDAM assets. During second round of stakeholder discussion a *Climate Change Adaptation Plan (CCAP)* is agreed upon which includes appropriate adaptation actions that address respective risks, integrated into PDAM and/or PEMDA plans. Adaptation actions may take various forms of activities, either physical or non-physical.

In the past quarter, the remaining five CCVA studies (Sibolga, Lebak, Batang, Bantaeng and Jeneponto) have been concluded and discussed with PDAM and other local stakeholders. In total, all CCVA studies have been completed in PY-5. The subsequent stakeholder processes, ARM and adaptation option development workshops, have also been implemented in all target IUWASH locations. The use of risks maps and Google Earth helped the stakeholders get better understanding on risks facing PDAM's assets and identify and agree on appropriate adaptation measures. The processes that used the CCVA and involved a broad group of stakeholder fostered consensus on a set of priority of adaptation options.

Results of the CCVA study and ARM and adaptation workshops are used for advocacy aiming at the local stakeholders to take action. For instance, IUWASH supported local government of Kab. Mojokerto, East Java to develop a local policy. During the quarter, Kab. Mojokerto issued Mayor's decree on infiltration pond. In Salatiga the adaptation planning process encouraged a local construction material vendor to build ten infiltration ponds and to adopt this in local village regulation (PerDes). In Enrekang, South Sulawesi, IUWASH supported PEMDA initiative to develop water retention ponds. In the last quarter of PY-5, IUWASH facilitation in the regions focused specifically on implementation of adaptation activities; several are ongoing to be completed in PY6.

Particular to the infiltration ponds program, as an adaptation option, the collaboration with CCFI continued in Kab Malang, East Java where by end of Sept' 15 584 infiltration ponds have been constructed in catchment areas of Ubalan, Polaman, and Mlaten springs. With IUWASH support, similar programs are also implemented in Kab. Bantaeng in South Sulawesi, Kota Batu and Kab. Probolinggo in East Java, and Kab. Serang in Banten. To date, 285 units have been constructed in the four locations above. Earlier in PY, 920 infiltration ponds in collaboration with CCFI were completed constructed in Salatiga and Kab. Semarang and recognized by the Governor of Central Java Ganjar Pranowo. The community also gave appreciation that the program addressed the issue as well as took concrete action for sustainability of Senjoyo and Ngablak springs. By the end of this quarter IUWASH was approached by Nestle seeking collaboration to construct additional 100 infiltration ponds in Kab Probolinggo to benefit springs used by PDAM and local communities.

In the next quarter, VAAP activities will focus on implementation and completion of adaptation actions, both physical works such as infiltration pond construction and non-physical ones that include local policy development, study, dissemination, and monitoring and evaluation activities.

In PY-5 IUWASH participated in the IWWEF (Indonesia Water and Wastewater Expo and Forum) showcasing Kab. Batang, Central Java that addressed water resources conservation with CSR engagement, while Pematangsiantar secured additional raw water from its neighboring Simalungun as well as implemented spring protection effort. These concrete actions are along the VAAP program implementation and advocacy. Bapak Nugroho Tri Utomo of Bappenas took part in the event and emphasized that in line with the national's universal access target, supply side needs to be secured. Thus, adaptation actions, particularly rain water harvesting is an important effort for sustainable water availability.

As part of building capacity of PDAM and other local stakeholders, IUWASH started in PY 5 developing CCVAAP toolkit and training materials, to be followed by 8 training programs. In this quarter IUWASH consultant drafted toolkit and the training modules, following outline the VVAP framework and include selected lessons from process and examples of adaptation actions implemented across IUWASH locations. The toolkit and training materials will be ready by end of October and the training activities are planned to begin in November 2015.

The following table shows is update of progress Climate change activities to date:

Region	Location	Summary of achievement
North Sumatra	Kota Medan Kota Pematangsiantar Kota Sibolga	<ul style="list-style-type: none"> The last five CCVA studies concluded incl. consultation with PDAM and other local stakeholders. To date total of 20 CCVA have been completed. The raw water study for Kota Medan, is near completion. Stakeholder processes on ARM and adaptation action plan have been implemented; 5 stakeholder workshops in last quarter and 15 workshops previously. workshops created consensus on adaptation options with decision makers. Implementation of adaptation actions; infiltration pond, regulation, intake facility modification works: <ol style="list-style-type: none"> Infiltration ponds program under collaboration with CCFI in Kab. Malang completed 584 ponds constructed. In 2nd quarter of PY-5 920 infiltration ponds had been completed in Central Java. The pond's are intended to help improve recharge into aquifer. Total number of infiltration ponds built with CCFI to date is 3,118. Another infiltration pond program Batu and Kab. Probolinggo has completed 75 ponds in both locations. In the 3rd quarter, 160 similar ponds had been constructed in Kab. Batang, specifically at PDAM's springs' recharge area with local CSR funding. Included in the CSR program was also planting of 7,500 trees and 61 latrines to avoid pollution in the recharge area. The other similar program in Serang and Bantaeng are in completion of a few infiltration ponds as initial actions as an example for replication, e.g. PDAM, environment office (BLHD) Serang, and a private entity PT. Modernland are developing 41 infiltration ponds altogether. During the past quarter, modification works of intake facilities in Nagrak (Kab. Bandung) and Kalanganyar (Lebak) are in completion. Both are prone to flood. Once completed, these intake facilities will be more resilient. In addition to Peraturan Bupati Malang on management of sustainable water recharge issued in the 3rd quarter, another local policies; Peraturan Walikota Sibolga and Peraturan Bupati Mojokerto were issued in Q4. 2 more in East Java and 4 in South Sulawesi are under development. Note 1. Local regulation in 4 locations in South Sulawesi is addition to the other adaptation efforts, e.g. Sidrap is also working on WTP improvement. Note 2. Adaptation action for Kota Malang is altered from local regulation to scoping study on spring protection.
West Java & Banten	Kab. Bandung Kab. Serang Kab. Lebak	
Central Java	Kab. Semarang Kota Salatiga Kab. Batang	
East Java	Kota Probolinggo Kab. Probolinggo Kota Malang Kab. Malang Kota Batu Kab. Mojokerto	
South Sulawesi	Kota Parepare Kab. Pinrang Kab. Enrekang Kab. Sidrap Kab. Bantaeng Kab. Jeneponto	

The following is summary of main achievements under program WS 4 in IUWASH regions:

North Sumatra:

- The adaptation planning process led to development of local regulation where a decree on raw water sources protection was signed by the City Mayor of Sibolga on August 27.
- supported to PDAM Medan with Business Plan through development of regional raw water study. Draft final report is ready to be consulted with PDAM and other local government.

West Java and Banten:

- Assisted and collaborated with the environment office BLHD, CSR forum, and PDAM Kab. Serang to improve recharge for Sukacai spring where 41 infiltration ponds are being developed.
- As an adaptation response, PDAM Kab. Lebak and IUWASH are working on Kalanganyar intake improvement. Similarly, Nagrak intake of PDAM Kab. Bandung is underway for modification. When completed, both facilities will be more adaptive to flood problem.

Central Java:

- Construction of 10 infiltration ponds at Senjoyo spring's recharge area by a private entity. This shows a buy-in upon completion of CCFI funded infiltration pond program.
- Development of village policy “Perdes Tata Kelola Lingkungan dan Perlindungan Air Baku” of Desa Bismo and Desa Tambakboyo, Kab. Batang to protect water resources through local wisdom, e.g. new house construction should have an infiltration pond.



IUWASH CENTRAL JAVA

Launching of Village Regulation of Bismo and Tambak Boyo villages on raw water resource protection.



IUWASH CENTRAL JAVA

Measurement of water debit of distribution pipe of PDAM Kab. Batang to support the monitoring of infiltration ponds construction.

East Java:

- Collaboration with CCFI progressed with construction of 584 infiltration ponds in Ubalan and Polaman/Mlaten springs' recharge areas, Kab. Malang. A total of 800 ponds are expected to be completed in the coming quarter.
- Facilitated the construction of 30 infiltration ponds in Kota Batu as a pilot program and similar 50 ponds in Kab. Probolinggo. Kota Batu shows interest to replicate the program.
- Started the scoping study on Clumprit spring protection in Dinoyo for PDAM Kota Malang that is potential as raw water source, but vulnerable to climate risks.
- Draft local regulation on infiltration ponds and raw water protection for Kota and Kab. Probolinggo ready to be consulted with mayors for endorsement.

South Sulawesi:

- Implemented infiltration pond in Bantaeng and supported development of water retention pond in Enrekang. Both programs are addressing water availability issues aggravated by drought.
- Started the studies on improvements of intake and/or WTP facilities in Parepare, Sidrap, Pinrang, and Jeneponto. PDAMs in the four locations recognized importance of the study for their more climate adaptive water supply system and reliable service.

- Advocacy through the AMPL working group of Kota Parepare, Enrekang, Pinrang, and Sidrap created the needs to have local policy on raw water protection as a response to climate risks; Parepare is drafting a local regulation on surface water management.

The following is summary of the planned activities (Quarter I of PY-6):

North Sumatra:

- Monitoring and advocacy on the adaptation options, including implementation of the local regulation in Sibolga.
- Integrating results of the raw water study into PDAM Tirtanadi Medan's business planning.

West Java and Banten:

- Completion of construction works of intake facilities in Kalanganyar, Kab. Lebak and Nagrak, Kab. Bandung.
- Implementation of infiltration ponds program in Sukacai, Kab. Serang through series of events, incl. training involving PDAM, BLHD, CSR forum, and other related stakeholders.
- Continue advocacy targeting related stakeholder and decision makers in Kab. Serang to have a Peraturan Bupati on infiltration pond as an adaptation action.

Central Java:

- Dissemination and advocacy for implementation of *Perdes Tata Kelola Lingkungan dan Perlindungan Air Baku* in Kab. Batang.
- Monitoring of impacts of infiltration ponds on Bismo and Watulumbang springs' capacity (Kab. Batang).

East Java:

- Completion of the scoping study on spring protection for PDAM Kota Malang. Results of the study, among others, will be used for advocacy along the spatial planning process.
- Continue and completion of the infiltration pond program for Kab. Malang. IUWASH and CCFI will disseminate results of the program for adoption and replication.
- Dissemination, monitoring, and provide assistance on implementation of local regulation on infiltration pond and spring/water protection in Kab. Mojokerto and Kab. Malang.
- Completion the development of local regulation on water conservation for Kota Batu, Kab. Probolinggo, and Kota Probolinggo.

South Sulawesi:

- Complete implementation of the infiltration pond program in Bantaeng as a pilot adaptation action on water protection.
- Support improvements of the water retention pond program in Enrekang, e.g. selection of location and improve design of the pond.
- Complete and disseminate results of the intake/WTP improvements study for adoption and integration into PDAM's planning.
- Continue advocacy for local regulation on water resources protection for Parepare, Sidrap, Enrekang, and Pinrang through the water-sanitation AMPL working group.

Program WS-5: Microfinance

IUWASH introduced the microfinance program to increase water access to low income communities, where households can obtain PDAM connection and pay back the connection fee through a credit scheme. In PY 5 IUWASH collaborates with 19 PDAMs, either through mobilizing internal funds of PDAM or support PDAM to collaborate with financial institutions, local and rural banks and cooperatives. IUWASH regional teams tailor-make their technical support for each different partner, as for instance for mobilizing

PDAM internal cash the TA focuses more on promotino and marketing as well as PDAM cash flow analysis, while for formal collaboration with local banks issues like fees, collateral and risk allocations are made clear, Finally for program with local cooperatives (especially in South Sulawesi), capacity building of cooperative is critical to devleop clear SoP for their internal management.

During PY 5 water supply connections using microfinance were successfully achieved for 4,936 households (803 in last quarter), with highest contributions in the last quarter from PDAM Kota Bekasi. The following is summary of main achievements in this year for IUWASH regions:

- In **North Sumatra**, microfinance for water connection continued with promotional activities for PDAMs Langkat and Labuhan Batu, combined with regular (monthly) monitoring; in Langkat PDAM Customer Communication Forum (KFP) also took part in promotion for microfinance. Total achievement this year is 124 households.
- In **West Java / Banten** microfinance program in PY05 focused in Karawang, Serang and Kota Bekasi. Key activity supported by IUWASH was promotion of microfinance to PDAM customers. By end of September 2015 a total of 803 customers from PDAM Kota Bekasi, Kab. Serang and Karawang were connected to respective PDAMs using microfinance.
- In **Central Java** microcredit program for PDAM Klaten and Sukoharjo continued with promotion and marketing, while for PDAM Rembang, IUWASH facilitated MOU with PNPM Mandiri and local financial institution. The achievement in PY-5 on microcredit is 1.854 new connections.
- In PY5, IUWASH **East Java** Team facilitated PDAM Sidoarjo and Surabaya with microfinance Program for new water connections, with special focus on marketing. This year a total of 305 new connection have been made through this program
- In **South Sulawesi** increasing water supply access through microfinance this year was conducted through promotion, socialization, triggering and advocacy to PDAM, Lurah, Camat and other community leaders. This year 1.072 households have new water connections from PDAM

The following table summarizes the status of the microfinance program in with each PDAM.

Region	PDAM	Bank/MFI	Status	Notes
North Sumatra	Langkat	PDAM Cooperative	- increase access to water connection through micro finance continues regularly every month	- Support with socialization/marketing by involved of PDAM Customer communication forum.
	Labuhan Batu	PDAM		
DKI, West Java and Banten	Karawang District	PDAM	- socialization for MBR - PDAM cash flow analysis done.	- PDAM with internal financing
	Serang District	PDAM	- Monitoring progress. - PDAM cash flow analysis done	- PDAM with internal financing, projection50 additional new connection
	Bekasi Kota	PDAM	- Monitoring progress - PDAM cash flow analysis done	- Achieved 803 HH new connection through microfinance
Central Java	Semarang City	MFI-PDAM Cooperative	- Assistance promotion	- PDAM with internal financing
	Klaten District	MFI-PDAM Cooperative	- FGD Marketing & Promotion + monev	- PDAM with internal financing (potential 250 HH in PY 6)
	Sukoharjo District	MFI- PDAM Cooperative	- FGD Marketing & Promotion with PNPM Mandiri + monev	- PDAM with internal financing (potential 400 HH in PY 6)
	Rembang Districtrict	PDAM Cooperative	- Marketing & Promotion with PNPM Mandiri	- PDAM with internal financing (potential 150 HH in PY 6)

Region	PDAM	Bank/MFI	Status	Notes
			- FGD Potential Local bank for micro credit	- Finalization MoU between UPK PNPM with PDAM
East Java	Surabaya City	BRI	- willingness to use micro finance is small because of PDAM discount program	- Significant potential for MBR to use micro credit scheme.
	Sidoarjo District	BRI Sidoarjo	- Marketing Support assists in promotion and campaign - BRI approved 379 new connection	- High potential for MBR connections
	Jombang District	Bank Jombang	- Pipeline Installation not ready yet so difficult to get new connection - Bank Jombang committed to finance new connection	- High potential for new microfinance connections, as soon as pipeline is completed
	Malang District	Bank BRI, Bank Jatim	- Training Marketing Strategy and Promotions. - Training analysis financial capacity to use internal fund	- PDAM will start implementation microfinance in Oct 2015 using internal cash
	Mojokerto District	BSM, BRI Mojokerto, Koperasi	- IUWASH providing promotional training & materials	- Good potential for more microfinance connections
Sulawesi/ SSEI	Jeneponto District	MFI-Koperasi Pasar Utama.	- Marketing, Promotion training ongoing	
	Maros District	Koperasi BMT Al-Azhar	- Marketing and Promotion training by Radio Local	- PDAM has sufficient water source - Real demand survey completed
	Sidrap District	MFI, Koperasi Denas 66	- Marketing, Promotion training.	- Real demand survey completed showing good potential
	Takalar District	MFI	- Marketing and Promotional training.	- Real demand survey completed
	Pinrang District	MFI, Koperasi Denas 66	- Marketing and Promotional training done	- Real demand survey completed

The following is summary of main achievements under program WS 3 in IUWASH regions:

North Sumatra Region:

- Monitoring the implementation of microfinance program for water with PDAM Langkat.

West Java, DKI Jakarta and Banten Region:

- prepare cash flow calculation for PDAM Serang, Kota Bekasi City and Karawang District and
- conducted training for marketing staff of PDAM Kota Bekasi

Central Java Region:

- Promotion and marketing of Microfinance for PDAM Klaten, Sukoharjo and Rembang.
- Facilitated cooperation between PDAM Rembang and UPK PNPM Mandiri Perdesaan on microcredit financing scheme for PDAM new connections

East Java Region:

- Assisted by Microfinance Marketing Service Provider for PDAM. Sidoarjo. Currently there are 257 potential customers are waiting approval from BRI.

- Conducted Workshop on Lesson Learned of Microfinance Program for new PDAM Connection with PDAM Surabaya, Sidoarjo, Mojokerto, Jombang and Malang and several local and provincial financial institutions.

South Sulawesi and Eastern Indonesia Region:

- A total of 303 households have new water connection from PDAM through microfinance program in South Sulawesi province this quarter that consist of 69 households in Jeneponto, 34 households in Sidrap, 180 households in Takalar, and 20 households in Maros).
- Workshop was held of Micro Finance Scheme for PDAM Sidrap, Maros, Takalar & Jeneponto

The following is summary of planned activities in WS 5 in the 5 IUWASH regions:

North Sumatra Region:

- Continue monitoring progress of micro finance programs in Langkat and Labuhanbatu.

West Java, DKI Jakarta and Banten Region:

- IUWASH will continue monitoring the micro credit program implemented by PDAM Kota Bekasi, PDAM Kabupaten Serang and PDAM Kabupaten Karawang

Central Java Region:

- Continue monitoring on the implementation of microfinance in Klaten, Sukoharjo and Rembang

East Java Region:

- Continue to facilitate the implementation of microfinance program for PDAM Kab. Mojokerto, Sidoarjo, Malang and Jombang.

South Sulawesi and Eastern Indonesia Region:

- Continue to support the increased access to safe water supply through microfinance program implemented by IUWASH PDAM partners in Jeneponto, Takalar, Maros and Sidrap

Program WS-6: Master Meter

Installation of Master Meter (MM) systems is one of two key IUWASH strategies to increase water access to low-income families (with promotion of microfinance being the other). With an MM system, a group of households have individual meter connections, but the network is connected to a PDAM bulk meter. In the community, a CBO manages the system, collects monthly tariff payments, and handles the operation and maintenance (O&M) of the MM system. The following is summary of main achievements in this year:

3 master meters in **Kota Sibolga** covering 142 connections were installed, including capacity building to CBO and communities, agreement on water tariff by PDAM and CBO and also formal inauguration was done by Mayor, IUWASH and USAID. This scheme is now replicated by Bank Sumut which funded Rp 200 mill (CSR), for 1 master meter serving 70 connections at Aek Porumbunan. The MM system is already completed and IUWASH supported with DED and capacity building of new CBO and communities.

IUWASH assisted the master meter program in three locations in **Kab. Tangerang** namely KSM Permata Rajeg, Griya Berkah Insani, dan Subur Makmur for total of 250 household connections by the end of PY5. The activities conducted this year and quarter were the completion of the initial activities conducted under IUWASH Grant Program by Forkami

IUWASH is supporting PAM Jaya since last year to increase piped water access for poor in **DKI Jakarta**, in collaboration also with ADB. During PY 5 more than 15 locations in Palyja and AETRA coverage area were identified, but due to issues on land acquisition, insufficient water availability/pressurer, conflicts

within communities or outstanding debts of “private operator” of public taps, eventually only 4 locations were selected: One in Palyja area (Rawa Buaya for 50 hh) and 3 in AETRA area (Pulau Gebang for 100 hh, Tanah Merah for 250 hh and Pelindo for 100 hh).

For all 4 locations CBO is set up and capacity building of CBO and communities is ongoing. For Raw Buaya, Pulau Gebang and Pelindo construction of piping system and service connections in ongoing, while for Tanah Merah DED and construction tender will be evaluated by end of September 2015. For Pelindo the construction is done by CBO and funded by communities. IUWASH is providing technical assistance during their tender process and construction phase.

In **Kota Surakarta** one Master Meter was completed in PY 4 as part of the *Kampung Sanitasi Kota Surakarta* ; activities in PY 5 focused on strengthening the operation and maintenance of the master meter and communal septic tank by KSM Dabagsari Makmur.

After 4 master meter were completed in **Kab Sidoarjo** in PY (supporting 342 hh), 5 Master Meter were implemented through Grant in **Kota Surabaya** in PY 5 in 4 neighborhoods (Jl. Legundi, Jl. Undaan Wetan, Jl. Kanginan and Jl. Greges Barat Gang Dalam). The systems were inaugurated by Mayor of Kota Surabaya in May and 260 households are benefiting from them

Summary of progress of Master Meter programs under IUWASH (to date):

Region	Location	Number of Connection	Status (Sept 2015)	Summary Achievement
North Sumatra	Sibolga	143	Completed	Communities are served through 3 Master Meters (Jl. Benteng, Jl. Pelita, Jl. Kerinci).
		70	Completed	Replication of Master meter in Aek Tambunan funded by CSR Bank Sumut Rp 200 million. IUWASH supported CBO and technical advice
WJDB	Kab Tangerang	250	3 KSM completed	3 master meters installed with PDAM,, funded from Dinas PU, managed by 3 KSMs. IUWASH support to set up KSM and capacity building KSM and communities.
	DKI Jaya	500	CBO Set up, capacity bulding on going and construction on preparation stage	CBO setup at 4 areas (Pulau Gebang, Rawa Buaya, Pelindo and Tanah Merah) including agreement on water tariff to customer. Capacity building of CBO and communities is completed, Construction at Rawa Buaya, Pulau Gebang, Pelindo is ongoing; Tanah Merah at tender process.
Central Java	Kota Surakarta	98	Completed	master meter is integrated in development of “Kampung Sanitasi”
East Java	Kab. Sidoarjo	342	Completed	communities served by 4 master meters
	Surabaya	260	Construction Completed ; Communication forum ongoing	5 MM were constructed (PDAM provided Master Meters and IUWASH financed community development and materials; communities contributed all labor; IUWASH facilitates establish CBO-Master Meter Communication Forum (Forum Komunikasi KSM Master Meter) Surabaya

The following is summary of main achievements under program WS 6 in IUWASH regions:

North Sumatra Region:

- IUWASH continued to provide supports on monitoring of functioning of master-meter installation and improve performance of CBOs to be able to operate and maintenance of master-meter system both for pilot project and replication sites

West Java, DKI Jakarta and Banten Region:

- Problem arises with the master meter program in Subur Makmur as there are leakages in the water network system. IUWASH will assess the system and will assist in rectifying the entire system in Subur Makmur. The cost will only cover training and replacing a small amount of accessories of approximately Rp. 30 million
- Main master meter was installed is at Rawa Buaya by PT PALYJA. KSM has been formed in 4 areas. Procurement for materials and contract ongoing for Raw Buaya and Pulogebang
- IUWASH supported PAM JAYA, PALYJA, AETRA and KSM to attend comparative study to PDAM Sidoarjo and KSM Lemah Putro to directly observe management of master meter.

Central Java Region:

- Continued O& M Training of master meter and communal septic tank for KSM Dabagsari Makmur in Kampung Sanitasi Kota Surakarta.

East Java Region:

- Facilitated the establishment of Master Meter KSM Communication Forum for 10 existing KSMs and 5 new KSMs. After the establishment of the Forum, IUWASH conducted capacity building, to empower the Forum to replicate MM in other similar communities that require clean water from PDAM

The following is summary of planned activities in WS 6 in the IUWASH regions:

North Sumatra Region:

- Conduct water cost survey for household connected to Master Meter system in Aek Parumbunan

West Java, DKI Jakarta and Banten Region:

- Complete all construction in 4 master meter locations for 500 households
- Reach agreement with PAM Jaya, AETRA on 1-2 additional MM locations (500 hh)
- IUWASH will train operation and maintenance and water tariff management to the KSM of Subur Makmur and assist in rectifying the master meter water network so there will be no leakages that create high water cost for the community

Central Java Region:

- Continue monitoring KSM performance to manage of master meter and communal septic tank

East Java Region:

- Continue capacity building for Master Meter KSM Communication Forum in Surabaya City

Program WS-7: Capital Expenditure Financing

Program WS 7 focuses on increasing capital investments in water infrastructure, to support expanded access to water supply services. IUWASH supports PDAMs to access infrastructure financing from a variety of sources, including commercial finance, private sector investors, or central and local government funds.

During PY 5 opportunities for CAPEX Financing from non-government financing took a hit due to:

- 1) Cancellation of Law 7/2004 on water resources management, which removes legal basis for any relationship with private sector, including business-to-business (B2B). This affected three existing IUWASH projects (two in Kota Bekasi and one in Gresik) who are supposed to be financed through B2B arrangement are delayed until the regulatory framework is clarified. The two projects in Bekasi

will now be financed through APBD, but for Gresik it is still planned to be implemented under B2B, as soon as a new regulatory framework is finalized and adopted by GOI

- 2) Failure of Presidential Decree 29/2009, as it is seen by PEMDA and DPRD as too complicated / bureaucratic to obtain external financing. This affected following 4 potential IUWASH projects:
- Tebing Tinggi (200 l/s WTP): delayed as new financing is sought from APBD
 - Surakarta (300 l/s WTP): delayed as financing is sought from APBD
 - Serang (80 l/s WTP): delayed as financing is sought from commercial bank
 - Kendal (300 l/s WTP + transmission): is cancelled because of lack of PERPRES 29 financing,

For Outcome EE-2, IUWASH will continue to push progress of all ongoing projects supported with the aim to still reach the total target set of supporting minimum of 15 Capital Expenditure Projects

Activity highlights in each region during PY 5 can be summarized as follows:

In **North Sumatra** IUWASH supported DED development for 5 PDAM partners (Labuhanbatu, Tanjungbalai, Tebing Tinggi, Binjai and Medan). All projects obtained funding from APBN & APBD for production capacity improvement and expansion of water distribution. Another key achievement is in development the regionalization of water supply system for Medan, Binjai and Deli Serdang (MEBIDANG).

Through this partnership, additional raw water source of over 2,000 l/second will be financed. IUWASH is supporting with Feasibility Study followed by DED and intensive advocacy tyo all local, provincial and National partners.



IUWASH **West Java and Banten** supported capital expenditure for 3 projects in Kota Bekasi, Kab Bandung and Kab. Serang. Activities included review DED for Kota Bekasi and Kab Bandung feasibility study of SPAM Teluk Buyung (Kota Bekasi) with Water Treatment Plan funded through APBD Kota Bekasi for Rp. 19.2 billion, review feasibility study of Cibaja (PDAM Kab. Serang), where IUWASH assisted with loan proposal to 5 banks from which Bank Banten Jawa Barat is interested in providing a loan of Rp. 8.7 billion.

During PY-5, IUWASH **Central Java** team, provided technical assistance in development of Water Treatment Pplant Semanggi (Kota Surakarta) with capacity of 300 lps, including Feasibility Study. For the financing, PDAM has received commitment from APBN 2016 , approved by Local Parliament.

In PY 5, IUWASH **East Java** provided facilitation to PDAM Kab. Gresik in the development of new water treatment plant from Sembayat dam with production capacity of 1,000 liter per second.

Finally for **South Sulawesi & Eastern Indonesia**, IUWASH continued supporting PDAM Mabon and Jayapura with smaller water supply systems (each 30 liter / second) to increase PDAM coverage for over 2,500 households in each city.

The table below provides a comprehensive update on each capital expenditure project in the IUWASH assistance portfolio.

PDAM	Project Description	Progress through Quarter 18
Kota Tebing Tinggi North Sumatra	<ul style="list-style-type: none"> - 200 lps regionalization project (Tebing Tinggi and Serdang Bedagai) for 15,000 connections - Anticipated financing: APBN (for regionalization) 	In process - Previously envisioned as a PPP, now funed by APBN; Progress slow, as new PDAM director was appointed in July 2015. A new approach to GOI will also need to be formed to access regionalization funds provided by APBN.
Kota Tanjung Balai, North Sumatra	<ul style="list-style-type: none"> - 100 lps WTP in Kel Sirantau (7,000 connections) - Funding to be leveraged from APBD. 	Final - Construction works were completed in last quarter and expanded service is underway.
Kabupaten Labuhan Batu, North Sumatera	<ul style="list-style-type: none"> - 40 lps WTP in Rantau Utara and 50 lps of Bilah Barat. Total 6,300 connections to be served - Funding to be leveraged from APBD and APBN. 	Final - Commenced technical assistance in early PY5 to all three projects by: reviewing the master plan (RISPAM), advocating local government and central government to provide financing, and facilitating a detailed engineering design (DED). By end of PY 5 construction is complete for all systems with water flowing into the network. Land acquisition funded through APBD and construction of assets through APBN.
Kota Tanjung Balai, North Sumatera	<ul style="list-style-type: none"> - 50 lps of WTP 5. Total 3,500 connections located in area of sub-district of Pasar Baru. - Funding to be leveraged from APBD and APBN. 	
Kota Tebing Tinggi, North Sumatera	<ul style="list-style-type: none"> - 50 lps of Kutilang in area of existing plant. Total 3,500 connections (40% of pro-poor). - Funding to be leveraged from APBD and APBN. 	
Kota Medan & Kota Binjai North Sumatera	<ul style="list-style-type: none"> - MEBIDANG – 2,000 lps of bulk water supply for 3 municipalities (Kota Medan, Kota Binjai dan Deli Serdang – regionalization of water supply. 	In process - IUWASH contribution included FS, DED and facilitation of agreements among municipalities (KSB & PKS). Draft of FS has been developed by IUWASH and DED will be developed in next quarter.
Kota Bekasi West Java	<ul style="list-style-type: none"> - Bekasi Barat – Teluk Buyung: 200 lps production and distribution with 15,000 connections. - Anticipated financing: B2B 	Final - funding shifted from B2B to APBD. PEMDA issued approval for Rp 19 Billion for treatment plant in 2015 budget. Tender process scheduled for completion in October 2015.
	<ul style="list-style-type: none"> - Pondok Gede Project: 300 lps treatment plant and network with 20,000 connections - Anticipated financing: PPP(KPS) 	In process - PDAM working with Bappenas to revise the FS and DED completed by IUWASH due to change of target market location.
Kab. Serang Banten	<ul style="list-style-type: none"> - Greenfield water supply project for Ciruas/Cibaja of 80 lps with 24,000 connections. - Anticipated financing: Commercial bank and APBN 	In process - Five banks attended project presentation and selected BJB as potential financier. Loan agreement to be completed in next quarter. Total project loan is 8.7M, with an additional 58M anticipated from APBD/APBN.
	<ul style="list-style-type: none"> - New Water Treatment Plant Project of 200 lps. - Project: B2B financing under partnership with STCK. 	Final - IUWASH prepared financial analysis for negotiation which was agreed by both parties in April 2014. The project under construction.
Kota Bogor, West Java	<ul style="list-style-type: none"> - New Water Treatment Plant, Katulampa Project of 300 lps. - Anticipated financing: Commercial loan and APBD/APBN. 	In process – Due to internal management changes at PDAM bond no longer viable. PDAM will seek Rp. 92M from a commercial loan with the balance (Rp. 70M) from APBN and APBD.
Kota Surakarta Central Java	<ul style="list-style-type: none"> - 300 lps bulk water supply project improving service for 24,000 connections (6,400 new) - Anticipated financing: Commercial loan. 	In process – Fund for project is funded by APBN year 2016 for the total of Rp. 32M for building treatment plant and reservoir.
Kab. Gresik East Java	<ul style="list-style-type: none"> - 250 lps water supply project (new treatment plant and uprating existing plant). - financing: B2B partnership with Drupadi Inc. 	Final - Construction of the both the new treatment plant and uprating of the existing plant completed. Facilities have commenced operation.
	<ul style="list-style-type: none"> - 1,000 lps of Sembayat Project with gradual development (another 1,000 will be for industry). - Anticipated financing: B2B 	In process - FS and tender documentation complete; bidding process must wait until new regulation on B2B contracts is issued by GOI.
Ambon East Indonesia	<ul style="list-style-type: none"> - Waytona - 35 lps spring and treatment plant serving approximately 6,000 households. - Anticipated financing: APBN and APBD 	Final - Construction of WTP and distribution network completed. Official take-over of the plant from GOI to PEMDA soon.
	<ul style="list-style-type: none"> - Wayheru spring - Rehabilitation 20 lps spring 	Final - Rehabilitation and main distribution network

PDAM	Project Description	Progress through Quarter 18
	and distribution line serving 2,000 households - Anticipated financing: APBN and APBD	funded by APBN is completed including tertiary piping to connect to customer.
Jayapura, East Indonesia	- 30 lps treatment facility serving 2,500 households - Anticipated financing: APBN 2015	In process - IUWASH supported completion of the DED for WTP, reservoir, and network. Project funded through APBN. cost of land is still under negotiation, with the private sector owner.

Creditworthiness Ladder

IUWASH developed Creditworthiness Ladder (CWL) as a financial assessment tool for water utilities, providing a snapshot of solvency to obtain funds for new investments. Updating of CWL has been conducted for all PDAM during August - September 2015, using latest audited financial statement of December 2014. Based on scoring range (alphabetical method) PDAM rating has shown to increase and be stable. Using absolute score method all PDAM show increase as end-line scoring of 2014 has exceeded its base-line scoring of 2011 as can be seen in table below.

Credit Worthiness Ladder Trend as of Year 2014

No	KOTA/ KAB	I1	I2	I3	I4	Trend	RATING DESCRIPTION
1	Kota T. Tinggi	B-	B	B	B	Stable	Rating during period is stable, improvement in nominal rating is due to improvement in staff training program.
2	Kab. Langkat	D+	D+	C-	B-	Increase	Slightly increase due to tariff adjustment implementation. PDAM is in low level position generally due to long-term loan aspect.
3	Kota P. Siantar	C	C+	B-	B-	Increase	Relatively stable during period of evaluation, some arrears of loan has been settled.
4	Kab. Asahan	D+	C-	C-	C-	Stable	Low rate is due to long-term loan that not resolved. Improvement is relatively small in some parameters during period.
5	Kota Tanjung Balai	C	C+	B-	C+	Increase	Low rate is due to long-term loan that not resolved. Improvement is relatively small in some parameters during period.
6	Kota Sibolga	B-	B-	B	B+	Increase	Relatively stable during period of evaluation with good position of rating. PDAM has no arrears of long-term debt recorded in their book.
7	Kota Binjai	D+	D+	C	C	Increase	Low rate is due to long-term loan that not resolved. Improvement is relatively small for aspect of PDAM director selection.
8	Kota Medan	B	B+	B+	B	Stable	Relatively stable during period of evaluation with good position of rating. PDAM has no arrears of long-term debt recorded in their book.
10	Kab. Karawang	B-	B	B	B	Increase	Rating indicates increase which shows improvement in some indicators. Current debt to central government has been restructured and deserve for obtaining non-principal write-off. Principle item has been completely settled to central government. However PDAM needs to improve customer service. Raw water issues has become crucial issues that needs to resolve.
11	Kota Bogor	A-	A	A	A	Stable	Generally PDAM Kota Bogor has shown its outstanding rating for period of last four years. No arrears of its current debt and tariff level that operating costs have driven PDAM into outstanding rating. Some areas include water losses need to be focused; also applying regular tariff adjustment to avoid negative trend in the long-run is recommended.
12	Kab. Bekasi	B+	B+	B+	B+	Stable	Rating has shown stable in last 4 years of evaluation with low rate. Current debt to central government has burden financial condition. Improvement is required to include collection days and local government approach to obtain tariff adjustment. Business plan as important tool for short-term development has to be prepared; also improvement of PDAM staff is needed through increasing of training budget.
13	Kab. Purwakarta	B-	B-	B-	B-	Stable	Rating is still low in investment grade for last 4 years but shows stable. Debts to central government and non-full cost recovery have burden PDAM financial condition. Also low collection day and improvement of administration system through applying better standard operating procedure are required. Additionally PDAM has to do more coordination with stakeholders in relation to maintain raw water quality.

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No	KOTA/ KAB	I1	I2	I3	I4	Trend	RATING DESCRIPTION
14	Kab. Batang	B+	B+	A-	A-	Increase	Rating increased for last 4 years. No debt to GOI and full cost recovery has brought PDAM in better shape of financial condition. However, in the long run PDAM needs to apply a regular tariff increase to maintain the positive condition. Administration system with SOP needs to be improved.
15	Kab. Rembang	C+	C+	B-	B-	Increase	Rating has slightly increased as some parameters indicate increased. Low rating has been caused by its existing debt to central government. Other areas need for improvement are PDAM staff and tariff level also business plan as a basis for annual plan needs to be implemented.
16	Kab. Salatiga	A	A	A	A	Stable	High rating has been achieved as no debt to GOI. However in the long run PDAM has to apply regular increase for tariff also raw water issue need to be handled seriously to resolve scarce of raw water in the long run.
17	Kota Surakarta	C+	C+	B-	B	Increase	Debt to GOI has burden financial condition of PDAM. Some areas during last 4 years shown increased like status of long term debt and tariff reclassification and adjustment. Some areas still need to improve such decreasing water losses, aged receivable to be more efficiency and raw water quantity and quality need for coordination with local stakeholders.
18	Kab. Klaten	A-	A-	A	A	Increase	Financial performance is moderate and improvement in technical aspects during last three years has brought rating increase. Areas for improvement including tariff, coordination for better raw water and collection efficiency. Support from PEMDA is needed in increasing PDAM service coverage.
19	Kab. Sukoharjo	B	B+	B+	A-	Increase	Increasing in rating during last 3 years caused by improvement in financial aspect as PDAM has no loan. For long run PDAM needs to focus on tariff adjustment, improve customer handling and resolve raw water issue.
20	Kota Malang	A-	A	A	A	Increase	All indicators have been in maximal position except revenue trend that shows decrease. For long run PDAM needs to begin improving tariff level, customer service as well and raw water issue needs for improvement.
21	Kab. Malang	B+	B+	A-	A-	Increase	Improvement has been driven by its restructuring of long term loan, without any arrears. Other aspects have also shown good position. Some arrears need for improvement including tariff profile that aim to resolve its cash reserve condition.
22	Kota Probolinggo	A-	A-	A	A	Increase	PDAM has successfully maintained its most indicators in high position. In long run PDAM needs to improve its tariff profile to avoid decrease of revenue. Other indicators that are in low position such as raw water needs to be improved through more coordination with stakeholders.
23	Kab. Probolinggo	C	C+	C+	C+	Stable	Long term arrear has brought its rate in low level. Relatively stable of indicators during period. Tariff adjustment has to be focused to increase the level to improve its cash reserve and net income.
24	Kota Mojokerto	C	C+	C+	B	Increase	Rating has increased during period which caused by tariff adjustment within period. Non-technical aspects need for improvement including raw water aspect and PDAM staff skill.
25	Kab. Sidoarjo	A-	B+	A-	A-	Stable	Rating has slightly increased within period by tariff adjustment, which brought better condition of FCR level, cash reserve and net income. Some areas need for improvement includes raw water and customer service.
26	Kota Surabaya	A	A	A	A	Stable	In general all indicators have been in outstanding position. However trend of revenue has shown decrease and needs improvement. Support from PEMDA is needed especially financial
27	Kab. Gresik	C+	B-	B-	B+	Increase	Debt restructuring of long term-debt and tariff adjustment implementation have brought PDAM in better position during period. Support from PEMDA in financial aspect and raw water management is needed.
28	Kab. Enrekang	C+	C+	B-	B-	Increase	Tariff adjustment in 2014 has brought financial condition in better position. PDAM needs to follow up the process of debt restructuring with Ministry of Finance and improve raw water management system.
29	Kab. Takalar	B	B+	B+	B+	Increase	Rating slightly increased during period as PDAM improved its raw water management. Also recruitment of PDAM director has been conducted properly comply with regulation. Some need to improve include tariff profile and raw water management.
30	Jayapura	C	C	B-	B-	Increase	Long-term debt has caused to low rating during period. However some improvements has brought its rating increase slightly. Support from local government and improvement of human resources management have brought PDAM in better position. Some areas are needed for improvement include water losses, collection efficiency and tariff profile.

No	KOTA/ KAB	I1	I2	I3	I4	Trend	RATING DESCRIPTION
31	Kab. Sidrap	C-	C-	C-	C+	Increase	Long-term debt has caused to low rating during period. Improvement Support from local government and of implementation of SOP have brought PDAM in better position. Some need to improve include tariff profile, follow up of debt restructuring proposal and development of SOP.
32	Kab. Maros	C-	C	C+	C+	Increase	Long-term debt has caused to low rating during period. Improvement of human resources and management have brought into better position. Areas need to improve include water availability and water losses.

The following is summary of main achievements under program WS 7 in IUWASH regions:

North Sumatra Region:

- Supported regionalization of Mebidang water supply system for PDAM Medan, Binjai and Deli Serdang. IUWASH support with feasibility study and facilitation of Perjanjian Kerjasama (PKS) among parties that is required to fulfill the readiness criteria compliance and DED
- Workshop on Credit Worthiness Ladder Update for 9 PDAM

West Java, DKI Jakarta and Banten Region:

- Worked closely with all 9 PDAMs in West Java and Banten related to the Credit Worthiness Ladder in order that they will not fall below the benchmark. This will be done through self assessment of performance using IUWASH tool of evaluation and measurement

Central Java Region:

- FGD on revision of Feasibility Study (FS) document of WTP Semanggi Kota Surakarta regarding the recent APBN commitment for the construction of WTP
- Workshop on Credit Worthiness Ladder Update for 9 PDAM

East Java Region:

- Completion of Feasibility Study to support tender documents for development of WTP 1,000 L/sec Sembayat Gresik, Documents have been completed and send to BPPSPAM for review. The status now is waiting the inputs from BPPSPAM to prepare the bidding process

South Sulawesi and Eastern Indonesia Region:

- Continue supporting PEMDA Jayapura to complete purchase of land for treatment plant and reservoir

The following is summary of planned activities in WS 7 in the 5 IUWASH regions:

North Sumatra Region:

- Support SPAM Regional Mebidang through the development of Feasibility Study, DED and facilitate of agreement among parties

West Java, DKI Jakarta and Banten Region:

- IUWASH monitor the construction and the use of funding of the implementation of the water treatment plan of SPAM Teluk Buyung.
- Monitor program implementation of SPAM Pondok Gede.
- Monitor the use of funding provided by APBN/APBD for SPAM Cibaja PDAM Kabupaten Serang.

Central Java Region:

- Workshop on implementation of WTP Semanggi development with funding from APBN 2016

East Java Region:

- Assist PDAM Kab. Gresik with preparation of bidding process for PPP IPA 1,000 L/sec Sembayat

South Sulawesi and Eastern Indonesia Region:

- Continue lobby PEMDA Jayapura to purchase of land for treatment plant and reservoir.

Program WS-8: PDAM Institutional Support

Strengthening PDAM Internal Structures

Strengthening PDAM management and operation is critical to improve and maintain performance of sustainable access to piped water. During PY 5 IUWASH conducted capacity building activities to improve PDAM's efficiency in reducing the water losses, or energy efficiency, improving Management Information systems, development of business plans, strengthening PDAM customer relation sections, increase understanding of raw water protection and others. Following is a summary of some of the key program in IUWASH region.

The focus of PDAM institutional support in PY5 in **North Sumatra** was on capacity building for Dewan Pengawas & DPRD on PDAM operation and management. Besides that, IUWASH also provided support on SOPs development for 6 PDAMs, especially Langkat, Asahan and Labuhan Batu; audience with local parliaments

In **West Java and Banten** region the focus in PY 5 was on the development SOPs for customer relation of PDAM Kab. Bekasi. Also Capacity building was done for Supervisory Board members of all PDAMs During PY-5, **Central Java** region conducted capacity building for Supervisory Board and SOP development of PDAM Surakarta and Rembang. The SOPs consisted of technical procedures, administration, finance and customer relation. A total of 126 SOPs were developed this year for PDAM Kota Surakarta and 53 SOPs for PDAM Kab. Rembang.

In **East Java** region, IUWASH regional team strengthened PDAM institutions through the development of PDAM SOP in PDAM Kab. Probolinggo, Jombang and Kota Mojokerto. Visioning workshop was conducted in Lamongan, attended by Mayor, Sekda, Bappeda and SKPD and also in Kota Malang, attended by Mayor , Sekda and DPRD

In **South Sulawesi and Eastern Indonesia** IUWASH supported development of PDAM SOP and advocate this PDAM Advisory Board in Sidrap, Pinrang, Jeneponto and Bantaeng. Visioning workshop was held in Jayapura which was attended by Mayor, Sekda, Bappeda and other SKPDs, for building commitment of PEMDA, DPRD and related SKPD in PDAMs performance improvement

During the International Indonesian Water Week (IIWW) conference in April IUWASH supported the PERPAMSI and PU event of PDAM Clinic participated by over 20 PDAM across Indonesia. The event's agenda included consultation on key issue and lack of performance improvement of un-healthy PDAMs, which becomes critical to support the achievement of universal access by 2019.

Regionalization of Raw Water Sources and/or PDAMs

The regionalization of raw water sources is critical in some area's, especially where raw water sources are situated in one administrative regency (Kabupaten) and the main users in the neighbouring (mostly Kota); this requires a joint approach on managing and safeguarding water resources especially in water-stressed areas of Indonesia, like Java.

Over the last year IUWASH team supported Local and Provincial Governments in West Java and North Sumatra to develop successful regionalization programs, but by end of PY 5 only one still looks very promising. In West Java, IUWASH supported PDAM Kab Bandung, PDAM Kab. Bandung Barat, and PDAM

Kota Bandung, PEMDA Bandung Raya and PT. Tirta Gemah Ripah (TGR) - a provincial water supply company - to provide bulk water to the Kab & Kota Bandung. IUWASH supported the calculation of bulk water tariff required to produce clean water and transport it to Kota and Kab Bandung. Results were presented to all local parties, but by end of PY 5 but no resolution could be reached as the tariff is both too high for PDAM as it requires pumping and also communities nearby the a nearby spring until now refuse TGR to utilize this. Also key staff at Province level changed, which did not yet provide the necessary consistency;

In North Sumatra , IUWASH has supported Tebing Tinggi with collaboration with neighboring PEMDA (Sedang Bedagai), but by end of PY 5 progress is stuck there is not agreement yet who will be responsible for the joined program (either Province or the city). Then midway PY 5 a new, very urgent , regionalization program materialized around Kota Medan, with raw water source (river) from Kota Binjai to be used by PDAM Medan and PDAM Deli Serdang. IUWASH was asked by Provincial Government and PEMDA Medan to provide technical support including initial identification of raw water options, pre-Feasibility Study and development of collaboration concept. Numerous discussions were held at Provincial and National level and MoU between all parties has been drafted and agreed by all. IUWASH was then asked to support a more Detailed Engineering Design, which will be used to calculate detailed investment cost ; In principle Provincial and National Government are ready to finance the majority of the project, with the remainder (including land acquisition funded by local parties). By the end of PY 5, IUWASH was contacted by KfW (German development Bank) which is very interested to provide the necessary financing to GOI (estimated to be in range of \$ 50 million). IUWASH agreed to collaborate with KfW in project preparation.

The following is summary of main achievements under program WS 8 in IUWASH regions:

North Sumatra Region:

- SOP development for 6 PDAMs (P. Siantar, Sibolga, T Balai, Langkat, Asahan and Labuhanbatu). This quarter Langkat, Asahan and Labuhanbatu accomplished draft SOPs on customer relation.
- Conducted capacity building for medium level staff of PDAM Asahan by sending him to YPTD training, to obtain higher certificate
- Supported Province North Sumatra with regionalization for raw water for Medan, Binjai and Deli Serdang (MEBIDANG), including development of FS, MoU and tendering for DED

West Java, DKI Jakarta and Banten Region:

- Successfully completed the Standard Operating Procedures on customer relation for PDAM Kabupaten Bekasi

Central Java Region:

- Workshop on SOP finalization of PDAM Kabupaten Rembang, with 53 SOPs finalised
- Workshop on SOP finalization of PDAM Kota Surakarta, with 126 SOPs finalised

East Java Region:

- Support preparation of PDAM SOP both technical and non-technical aspects for PDAM Kab. Probolinggo and Kota Mojokerto. Both are at the finalization stage

South Sulawesi and Eastern Indonesia Region:

- Monitoring PDAM SOP development at PDAM Jeneponto, Bantaeng & Sidrap

The following is summary of planned activities in WS 8 in the 5 IUWASH regions:

North Sumatra Region:

- Finalization of draft SOPs in 3 PDAMs Langkat, Asahan and Labuhanbatu and obtaining approval from each PDAM Director.
- Monitoring and mentoring of implementation of approved SOPs by each section in each PDAM
- Further support SPAM regional Mebidang to lobby with GOI to obtain APBN funding

West Java, DKI Jakarta and Banten Region:

- Assist PDAM Kab. Bekasi in SOP for internal administration and finance and evaluate use.
- Assist PDAM Kota Bekasi in SOP for customer relation and monitor and evaluate use

Central Java Region:

- Review on SOTK/SOP of PDAM Kabupaten Semarang and Batang

East Java Region:

- Facilitate preparation of SOP on technical and non-technical aspects for PDAM Sidoarjo

South Sulawesi and Eastern Indonesia Region:

- Technical support to PDAM to increase water services to support the universal access program (collaborative program with Satker PKPAM (Satuan Kerja Pengembangan Kinerja Pengelolaan Air Minum) of Sulawesi Selatan.
- Finalizing the PDAM SOP development for 3 PDAMs (Jeneponto, Bantaeng & Sidrap).

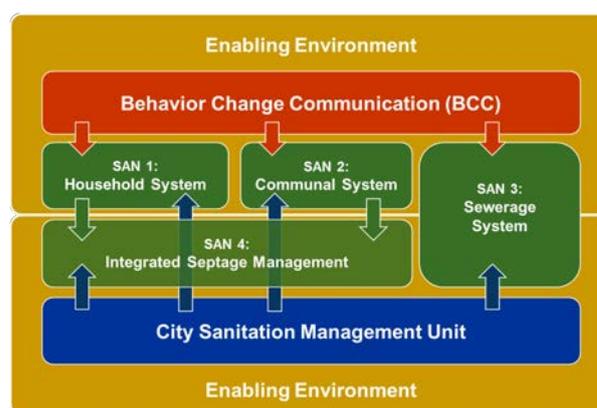
Section 3.2

SANITATION SECTOR

Introduction

IUWASH's sanitation component is targeting the increase of community access to improved sanitation facilities for 250,000 people (or 50,000 households) in 54 participating cities and districts. For achieving this target and for contributing to the sustainability of the Indonesian sanitation sector, IUWASH has introduced the 'Urban Waste Water Framework' – internally called the 'SanBurger' (see following chart) that integrates the various drivers of domestic waste water management into a comprehensive citywide urban waste water management scheme, comprising the following key elements:

- Enabling regulatory conditions and conducive institutional settings;
- Behavior change communication for triggering community demand and sanitation promotion;
- Establishment and capacity building for a 'waste water management unit' in charge of citywide sanitation services;
- Access to improved sanitation facilities and services through either improved individual household facilities (SAN-1); or connection to a communal system (SAN-2); or connection to a sewerage system (SAN-3); and
- Integrated urban septage management for individual septic tanks and communal systems, including transport, adequate treatment and disposal of residual sludge and effluent.



The 'Urban Waste Water Framework' is now increasingly accepted as the basic waste water management concept by partnering local governments and by key national stakeholders such as Bappenas, PPLP of the Ministry of Public Works and Housing, WSP, USDP and others.

IUWASH strongly relies on partnerships with key government institutions, foremost with Bappenas, the Ministries of Public Works and Housing, Health and Home Affairs; various donor agencies and their relevant programs, including ADB/USRI (Urban Sanitation and Rural Infrastructure), World Bank/WSP (Water and Sanitation Program), DFAT/IndII (Indonesia Infrastructure Initiative); and other institutions, both public and private.

For creating best the possible synergies, IUWASH promotes 'horizontal' collaboration amongst the 54 participating local governments through the exchange of technical materials, lessons learned, comparative study tours, regional workshops, as well as 'vertical' coordination for disseminating national policies and for supporting the implementation of national sanitation programs at the local level.

IUWASH is also channeling field experiences and lessons learned back to the concerned national ministries for contributing to institutional learning and the development of field-based national policies and guidelines in support of the development of sustainable sanitation services. The Indonesian sanitation sector is currently experiencing a growing momentum through snowballing national government support, in particular for the three IUWASH signature programs (i) demand creation and development of the supply chain for individual household sanitation, (ii) establishment of 'city sanitation management units', and (iii) the development of improved urban septage management.

IUWASH's three Key Messages

For the ongoing promotion of sustainable waste water services at local government level, IUWASH is advocating three key messages that are forming the basis for local government collaboration and capacity development within the sanitation sector, comprising the following aspects:

- On the bases of law 32/2004, and now law 23/2014, the local government holds the sole responsibility for the provision of citywide wastewater management services;
- The local government mandates a 'technical management unit' to provide 'one-door-service' to all levels of the community (directly or indirectly through the collaboration with community service organizations (CSO) and/or the private sector); and
- Wastewater management is not a long-term operational budgetary burden, but, over time, a 'cost recovering' citywide public service obligation.

Institutional Settings

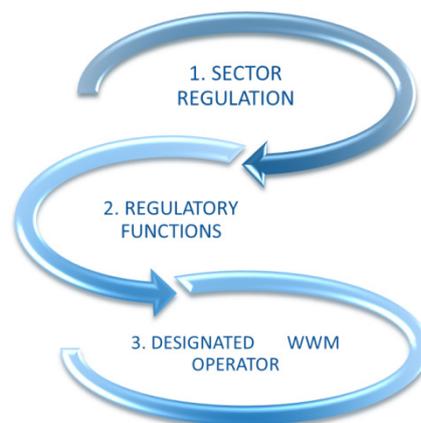
Related to the above, IUWASH is increasingly advocating participating local governments on the principles of suitable institutional settings in support of improving services to the community, which constitutes of (i) forward looking sector specific regulation, (ii) service oriented regulatory oversight, and (iii) establishment and capacity development of a designated service provider/technical management unit.

These three elements are also promoted by IUWASH at national level as 'compulsory' aspects of the catalog of GOI readiness criteria for APBN investments.

Typically, current waste water management regulation at local government level does not sufficiently address the complexity of the sector and, because of a lack of references available to local government decision makers, does not provide an outlook into the management issues that may become relevant in the near future.

The sector is still generally lacking of oversight through an established panel or committee at local government level; too often monitoring and evaluation is either not recognized at all as an essential element for the delivery of public services or is diluted by combing regulatory and operational functions under one roof.

The advantage of a designated single service provider is often not yet recognized and services are either nonexistent or typically fragmented amongst various local government institutions, which keeps 'accountability' of service provisions in the dark – enforced by a dominant notion of 'community driven' sanitation that reduces local government attention and commitments to a sheer minimum.



'Jamban Sehat' Ramah Lingkungan

The current Indonesian reference for measuring the success of ODF (open defecation free) communities is commonly limited to 'direct' open defecation. As a matter of fact, the major source of environmental pollution from domestic waste water originates from 'indirect' open defecation because of the bulk of domestic waste water being disposed into the environment without adequate treatment, enhanced by uncontrolled dumping of septage from septic tanks and communal systems.

The volume of properly treated urban domestic waste water is typically below 10%. The remaining >90% are released untreated into the environment of which impacts are disseminated by the Ministry of Environment in December 2014, saying that about 75% of all Indonesian water bodies (ground water and surface water) are heavily polluted because of untreated domestic waste water.

IUWASH is therefore promoting the integrated concept of 'jamban sehat' (healthy toilet) 'ramah lingkungan' (environmentally friendly) at local government level, comprising the development and availability of the following six elements:

- at Household level:
 - Availability of clean water
 - WC with syphon
 - Watertight septic tank

- at Local Government level:
 - Regulation on the construction of standardized septic tanks
 - Regular desludging of septic tanks and transport of septage to an adequate septage treatment facility (IPLT)
 - Treatment of septage at a functional IPLT and subsequent adequate disposal of residual dry sludge and effluent.

Signature Approaches

IUWASH is implementing three signature approaches, showcasing innovation that can be replicated by government institutions and other donor agencies, as follows:

I. Community Demand Creation and Development of the Supply Chain for Fostering Access to Improved Household Sanitation

IUWASH is actively supporting demand triggering and the promotion of access to improved sanitation through the development of the 'supply' chain, following a newly developed 'urbanized' STBM approach. This concept is endorsed by the Bappenas and the Ministry of Health and is now also advertised by the Ministry of Public Works, stating in one of their recent national waste water management workshops that Indonesia is in need of the construction of more than 16 million standardized septic tanks within the next 5 years for keeping up with urbanization, population growth and better protection of water aquifers.

The develop and marketing of standardized household sanitation is essential for Indonesian's urban areas, considering that about 80% of urban dwellers are still depending on individual sanitation facilities by the year 2035, when Indonesian urban areas are home to about 200 million inhabitants.

For the aspect of demand triggering IUWASH closely cooperates with the Ministry of Health for adjusting and enhancing the traditional STBM approach to the conditions and needs of urban communities, and actively collaborates with local government institutions, such as the Department of Health, 'Puskesmas', 'Posyantu', and Sanitarians for disseminating the urban community triggering and sanitation marketing approach.

For the development of the supply chain IUWASH is creating 'business' networks and is providing training for master trainers, sanitarian facilitators, sanitation entrepreneurs, cooperatives, micro-finance providers, and the government's PNPM Mandiri scheme in support of the delivery of goods and services for the improvement of individual household sanitation.

The noteworthy significance of the supply chain is determined by the elements of 'willingness' and 'affordability'. Whereas there is sufficient evidence of community *willingness* for accepting access to improved sanitation, the aspect of *affordability* is very much dependent on the level of financial facilitation. Thus, IUWASH is presently working in 23 locations across Indonesia for promoting various forms of micro-finance for the delivery of access to improved sanitation.

Different types of financial institutions like BRI, Bank Sulselbar, BSM, Bank Jombang, BPR Kabupaten Bandung (BPR Kerta Raharja), KPP Cooperative, Denas Cooperative, BMT (Cooperative Sharia), Credit Union, and others are partnering with IUWASH in support of the development of micro-finance solutions for the sanitation sector.

The local governments of Kab. Bandung and Kab. Jombang are pioneering access to improved household sanitation by directly supporting the development of micro-finance schemes through the provision of 'seed-money' to local banking institutes.

In the case of Kab. Bandung the local government is collaborating with PT Kerta Raharja providing working capital in the value of Rp 5 billion in support of the development of a micro-finance line that is managed by KWS, a group of sanitation entrepreneurs. The collaboration amongst PT Kerta Raharja, KWS, woman's organization, and sanitarian alike is driven by the local government through their Department of Health, which is now evolving into a promising network of product delivery through IUWASH interventions.

In Kab. Jombang there is a history of implementations of micro-finance led by the local Bank Jombang, which also engages with sanitation entrepreneurs and sanitarians for the delivery of the products.

Another potential model for micro finance roll-out is the collaboration with the cooperative KPP in Kab. Tangerang. The cooperative has 60,000 members and with IUWASH and Water.Org support, KPP is implementing a 5 years program for providing toilet facilities and standardized septic tanks for up to 25,000 member households.

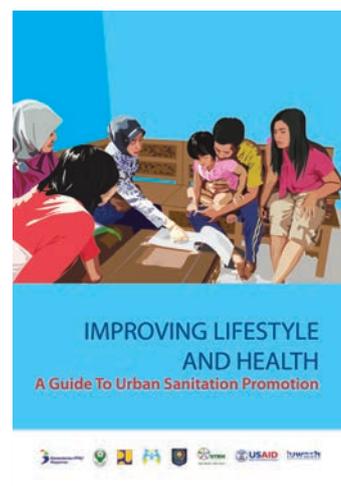
Though initially with limited success, some of these programs are now gaining momentum with more than 4,000 household systems constructed through micro-finance support. Under these programs there is an estimated 'potential' for the provision of another 40,000 household units.

Though not through microfinance, it should be noted that an additional approximately 15,000 household units have been funded through IUWASH interventions through the government's PNPM Mandiri program.

For significantly contributing to government targets (universal access) the two tier approach of 'subsidies' for low income households and 'micro-finance' facilitation for middle income households will be further explored by IUWASH for encouraging more comprehensive interventions and engagements of key stakeholders at national and local government levels.

The concepts of urban demand triggering and the development of the supply chain are outlined in the latest IUWASH publication 'Improving Lifestyle and Health – A Guide to Urban Sanitation Promotion' that was printed for wider distribution and dissemination.

IUWASH also aligns with other current government programs (SANIMAS, USRI, IDB, sAIG) and services providers including PDAM Medan, PD PAL JAYA DKI and PDAM Surakarta, for supporting demand creation and sanitation promotion for connecting households to off-site sanitation systems.



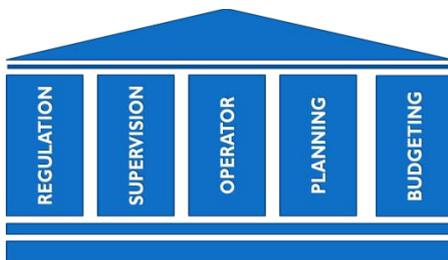
2. Urban Wastewater Management Unit

For fostering the development of waste water services to the communities IUWASH applies as a participative planning tool for the preparation of a comprehensive 5-year sector development plan (Sanitation Road Map) at local government level that is addressing three key development areas and some interrelated strategies, as follows:

Development Area	Strategy			
1. Coverage & Service Quality	HH Systems	Communal Systems	Sewerage	Septage Treatment
2. Enabling Environment	Regulation	Oversight	Operator	Subsidy/Tariff
3. Operator Capability	HRD	Asset Management	Customer Mtg.	Financial Mtg.

Besides the analysis of coverage of access to sanitation, service quality and the enabling environment (incl. regulation, regulatory and operational functions, policies on subsidies and customer tariffs), the driving element for the provisions of waste water services at local government level is the establishment of a functional citywide service provider.

A suitable choice for the establishment of such an operational unit at local government level is a ‘technical management unit’ (UPTD). This unit constitutes the initial operational ‘embryo’, destined for emerging into more professional institutional set-ups during a later stage, such as a ‘public service unit’ (BLUD) and, possibly thereafter, into a ‘government owned company’ (PD).

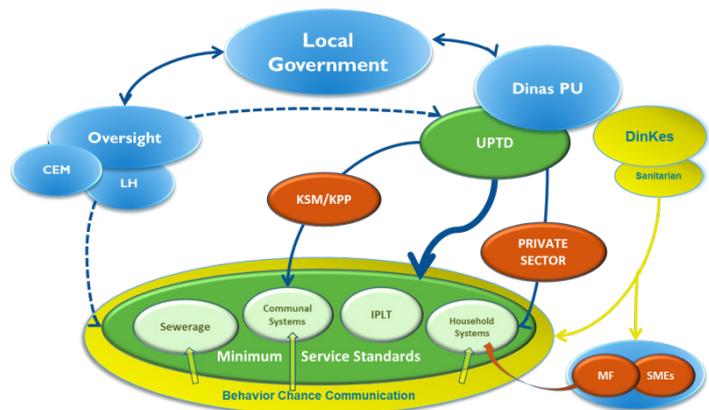


For operationalizing waste water services, IUWASH is addressing five essential key pillars of citywide waste water management, comprising: (i) promulgation of supporting regulation (PerVal/PerBup, Perda), (ii) establishment of regulatory functions, (iii) establishment of a dedicated operational unit (UPTD), (iv) evidence of comprehensive planning, and (v) specific provisions on sector related budgeting, incl. operational subsidies and customer tariff.

In line with the elements of the above mentioned ‘SanBurger’, IUWASH is promoting four principle operational functions that are addressing the common urban waste water management challenges, incl.:

- Fostering the improvement of on-site household sanitation facilities (SAN-1);
- Providing oversight and technical support to community managed communal systems (SAN-2);
- Managing off-site sewerage (SAN-3); and
- Implement integrated septage management services (SAN-4).

Whilst there are currently 41 partnering IUWASH local governments following this institutional approach, IUWASH is now focusing on ‘operationalization’ of institutional service provisions, as illustrated in the following chart, for some 19 prioritized waste water operators (15 UPTDs and 4 PDAMs). Despite varying success and performance of newly established service providers, the following service delivery scheme is promoted at local government level:



- The local government is establishing service oriented regulatory and operational functions on the bases of promulgated regulation(s).
- The designated operator (e.g. UPTD) in charge of citywide service

provisions, is collaborating with other formal stakeholders, such as community based management units (KSM/KPP) and the private sector for providing services to the community, and is cooperating with third parties (e.g. micro-finance institutes and qualified sanitation entrepreneurs) for promoting and delivering improved household sanitation systems.

- The link that is still often missing at local government level is the integration of the sanitarian in to the delivery scheme; whilst IUWASH is strongly promoting collaboration between DinKes and the operator, synchronization of annual planning and field works need further advocacy efforts.

4. Improved Urban Septage Management

In 2012 IUWASH has embarked on the introduction of ‘improved urban septage management’ (IUSM), in close collaboration with WSP (Water & Sanitation Program of the World Bank) and the Directorate of Environmental Sanitation (PPLP) of the Ministry of Public Works. Currently IUWASH is providing support in preparation of regular desludging services to PD PAL Jaya – DKI Jakarta, UPTD – Kota Bogor, PDAM – Kota Surakarta, and UPTD – Kota Makassar.

A number of lessons-learned have been obtained during the initial phase of the IUSM program, including the following:

- The main motivator at local government level for the introduction of IUSM is if these services are perceived as a ‘business’ that is covering, at least in medium terms, the O&M costs of the of the operator, although national support is required to encourage cities/districts in stepping up citywide septage management.
- The establishment and implementation of citywide septage management requires strong political supports from local government leaders and the local council DPRD.
- Enabling regulation and implementation mechanism need to be in place for attracting the community to participate and the private sector to collaborate, in other words: IUSM needs to be structured as a win/win/win solution for the community, the operator, and local government alike.
- The main elements of a successful set-up for effective urban septage management include the elements outlined in the chart, comprising: a defined service portfolio, appropriate institutional settings and supervisory, appropriate management structure of the operator, financing mechanism (government subsidies, customer tariff), effective invoicing systems, private sector involvement, and appropriate infrastructure for desludging and transport, septage treatment, and recycling.



- Regular desludging of septage from septic tanks is implemented in Surakarta by PDAM and they are ready for formal launching in October 2015. In Jakarta, IUWASH is supporting PD PAL Jaya with the development of a business plan for regular desludging, selection of pilot areas and development of field collaboration with the local PKK units for promotion and marketing of regular desludging, and customer bill collection. In Makassar the formal launching of regular desludging was celebrated in August 2015. Further capacity building was provided on GIS mapping for customers, calculation of cost recovery tariff and developing pilots for community and government offices. In Bogor all parties have agreed formally engage PDAM as the designated operator for regular desludging, which is now formally approval by the Mayor.

In first week of June, IUWASH in collaboration with other donors (USAID/PRESTASI, USDP, WSP, SNV and USAID/.Washington) supported a study tour for 20 Indonesian to the Philippines to visit 4 locations with ongoing Regular Desludging programs as well as providing valuable inputs for a Septage Management Toolkit under development by consultant team hired directly by USAID Washington. After return

IUWASH conducted evaluation of this study tour and arranged follow up meeting, where the evaluation results and next steps were discussed. Lessons learned provided valuable inputs for rolling out regular desludging by PPLP of the Ministry of Public Works and Housing for about 50 cities during 2015/16.

Others Achievements and Issues

Sanitation related IUWASH activities and issues during the reporting period include the following:

- **'Master Map'**: In the absence of a citywide waste water master plan, investment decisions for individual technical options (incl. household sanitation, communal systems, small scale sewerage) are typically randomly made by local governments without the vision of a functional and intergraded citywide system. IUWASH produced for Kota Bogor an initial version of the 'Master Map' that is built on available data such as population density, sanitation risk map, and on spatial city planning data. The purpose of the master map is to support decision makes for identifying areas and locations that are aligning present and future technical waste water management option into a broader citywide outline by defining areas of distinctive technologies, such as on-site household sanitation, communal systems and small scale sewerage.
- **'Standard Operation Procedures' (SOP)**: The basis for effective and efficient operations and asset management are the availability of sets of SOPs for the implementation of routine activities that are typically implemented by groups of people of the operator for the purpose of achieving a common operational task or customer service goal. In close collaboration with PPLP of the Ministry of Public Works and Housing, IUWASH is now working on the preparation of a set of SOPs that will be available for future UPTD staff training. Furthermore, IUWASH initiated a dialog with the PPLP/KaSubDit Standardisasi dan Kelembagaan for supporting their Technical Training Centre (Balai Pelatihan) in Bekasi with the preparation of waste water management specific training modules, for which the SOPs are representing a basic building block.
- **'Sanitation Toolkit'**: Ongoing development of the sanitation toolkit in five volumes, include: (i) Development of Sanitation Road Map, (ii) Establishment of an 'Enabling Environment', (iii) Development of Operational Capacities, (iv) Technical Waste Water Management Options, and (v) Urban Sanitation Promotion. A first draft was presented to Bappenas and PPLP with more coordination meetings following.
- **'Septic Tank Study'**: In support of fostering community access to improved sanitation IUWASH commissioned during the past years the construction of various types of household septic tanks. For identifying suitable models that are complying with current environmental effluent standards (max. 100mg/l BOD₅) IUWASH is collaborating with PPLP of the Ministry of Public Works and Housing for testing the effluent of up to 30 units of representative septic tanks. The results are though for complimenting the current Indonesian National Standard (SNI) on septic tanks design and dimensioning, mainly for offering more cost effective options for future household septic tank installations.
- **'Sanitation Index'**: IUWASH is collaborating with Bappenas, PPLP and AKOPSI for developing of a process oriented local government sanitation index that is intended to serve two purposes (i) data entry into the Bappenas managed Nawasis database for providing more accurate and substantial information on the level of sector development efforts of each local government and (ii) to enhance the current 'readiness criteria' for GOI investment (APBN) at local government level for increasing the rate of social return of these investments. Further coordination meetings are planned for advancing the sanitation index.

Collaboration with other Parties

IUWASH's ambitious targets can only be achieved through strong partnerships with key Ministries, development partners, NGOs and the private sector. This collaboration takes many forms, including joint workshops, regular information exchanges, and the development and alignment of approaches and common voice.

The following table summarizes stakeholder collaboration and activities during this year at national and regional level.

Collaborative Partners at National Level

Partner	Summary of Activities this Quarter
BAPPENAS	<ul style="list-style-type: none"> • Various meeting on 'modality index' and 'sanitation toolkit' • Meetings with AMPL KSAN preparation / AMPL award
Ministry of Public Works and Housing	<ul style="list-style-type: none"> • Ongoing collaboration for the development of institutional model for city-wide waste water management – UPTD • Ongoing collaboration for the roll-out of 'regular desludging' (LLTT) • Ongoing collaboration for the development of a 'OBA' scheme for individual household sanitation • Ongoing collaboration for the development of a 'sanitation index' • Ongoing collaboration for the preparation of UPTD specific SOPs and training materials
Ministry of Health	<ul style="list-style-type: none"> • Meetings with the newly appointed Director Environmental Health Dr Imran for presentation of IUWASH approach, also emphasizing on the need of more intensive collaboration with the Ministry of Public Works and Housing • Supported review and development of STBM verification tools
Ministry of Home Affairs	<ul style="list-style-type: none"> • Meeting with Pak Izzanudin on verification of process of establishment of new UPTDs
ADB	<ul style="list-style-type: none"> • Exchange of materials, incl. Building Code WWM and SOP for IPLT operations
World Bank-WSP	<ul style="list-style-type: none"> • Collaboration on improved Urban Sludge Management and OBA
DFAT/INDII	<ul style="list-style-type: none"> • Ongoing collaboration on capacity building for 11 sAIG locations

Collaborative Partners at Regional Level

Key Partners	Summary of activities this year (Oct 2014 - Sep 2015)
North Sumatra	
District Health Office in Pematangsiatar, Medan, Tebing Tinggi and Binjai	On-going collaboration for the development of individual sanitation system through promotion
PNPM Mandiri Perkotaan	Support the development of individual sanitation system in Medan, and Tebing Tinggi
Credit Union (CU) Saroha and CU Mandiri	Initiative on improving sanitation access in Pematangsiantar city
Bappeda North Sumatera Province	<ul style="list-style-type: none"> • On going collaboration in capacity building of sanitation development trough Pokja Sanitasi Sumatera Utara • On going programming of improving sanitation in Medan as a party as signed of memorandum of agreement (PKS)
Dinas Perumahan dan Permukiman Kota Medan	<ul style="list-style-type: none"> • On going collaboration in improving sanitation system sewerage and individual by provided budget • On going programming of improving sanitation in Medan as a party as signed of memorandum of agreement (PKS)
Satker Air Minum dan Sanitasi Sumatera Utara-PPK Air Limbah	<ul style="list-style-type: none"> • Collaboration in improving sanitation access by provision of budget for small sewerage system in Binjai and Tebing Tinggi • On going initiative of IPLT development in 5 city/districts such as Tebing Tinggi, Binjai, Asahan, Tanjungbalai, and Sibolga
IDB	On going initiative improving communal sanitation in Medan, Binjai and Tebing Tinggi
sAIG	Ongoing collaboration on improving sanitation access for 2 sAIG locations such as Medan and Tebing Tinggi
YAKMI	As implementer of individual sanitation in Medan

Key Partners	Summary of activities this year (Oct 2014 - Sep 2015)
West Java/DKI Jakarta/Banten (WJDB)	
District Health Office in Lebak, Serang, Tangerang, Tangsel, Bogor, Kota/Kab Bekasi, Bandung	On-going collaboration for the development of individual sanitation system
KPP UMKM Syariah	On-going collaboration for the development of microfinance for sanitation through cooperative UMKM Syariah in Kab. Tangerang
PT. BPR Kerta Raharja	On-going collaboration for the development of microfinance for sanitation through bank BPR in Kab. Bandung
IDB	Field learning in IPAL Lenteng Agung, Support in DED development and location surveys for sanitation programs in Kab. Tangerang, Sanitation location surveys in Kota Bogor.
sAIG	Supporting sewerage systems in 4 location in Kabupaten Serang totaling 80 household connections including socialization, mapping and surveys.
PD PAL Jaya	Ongoing collaboration on for the development of communal septage management in Karet Kuningan and regular desludging in Kemanggisan, Rawamangun, and Pademangan of DKI Jakarta
Local Government Agencies (UPTD, Dinkes, PU, BLHD, SKPD)	Support individual, communal and sewer sanitation programs in their respective Kota/kabupaten.
PT. SCTV and Indosiar	Support sanitation programs in Kabupten Tangerang through CSR funding
Central Java	
<ul style="list-style-type: none"> District Health Office in Surakarta, Sukoharjo, Klaten, Semarang Kota, Semarang Kabupaten, Kota Salatiga, Kendal, Kudus dan rembang 	On-going collaboration for the development of individual sanitation system in the cities
<ul style="list-style-type: none"> PNPM Mandiri Perkotaan STBM Kabupaten/ Kota Pengusaha Sanitasi Badan Kredit Kecamatan dan Bank Perkreditan Rakyat 	<ul style="list-style-type: none"> Support the development of individual sanitation systems in Surakarta, Sukoharjo, Klaten, Semarang Kota, Semarang Kabupaten, Kota Salatiga, Kendal, Kudus dan rembang
<ul style="list-style-type: none"> USRI Program Dinas Pekerjaan Umum Kota/ Kabupaten 	<ul style="list-style-type: none"> USRI Kota Surakarta, Klaten, Sukoharjo, Kota Semarang, Kudus, rembang
UPTD Kab. Batang, Kab. Sukoharjo, Kab. Rembang, PT.SCM Tirta Utama (Grantee)	Grant program for UPTD development 7 Kota/Kabupaten (Kab.Batang, Kab.Sukoharjo, Kab.Rembang, Kota Semarang, Kab.Semarang, Kab.Kendal, Kab.Kudus)
UPTD PAL Kota Salatiga	Support UPTD development and strengthen UPTD
sAIG PAO	Collaboration to strengthened UPTD Sukoharjo for IPAL small scale sewerage in Kelurahan Jombor and Kelurahan Gumpang Kab.Sukoharjo and Support promotion socialization to increase house connection through sewerage system in Kota Surakarta
<ul style="list-style-type: none"> Local Journalist (Solo Pos, Suara Merdeka, Joglo Semar, Jawa Pos, Radar Solo, Detik.com, MetroTV.com, Meta FM Radio, RRI Solo, TA-TV) 	<ul style="list-style-type: none"> Support L2T2 Socialization.
<ul style="list-style-type: none"> Kantor Humas Setda Kabupaten Klaten 	<ul style="list-style-type: none"> On-going collaboration on CEM Development and Implementation
<ul style="list-style-type: none"> Bagian Organisasi Setda Kabupaten Batang 	<ul style="list-style-type: none"> On-going collaboration on CEM Development and Implementation
<ul style="list-style-type: none"> Bagian Organisasi Setda Semarang City 	<ul style="list-style-type: none"> On-going collaboration on CEM Development and Implementation

Key Partners	Summary of activities this year (Oct 2014 - Sep 2015)
<ul style="list-style-type: none"> • UPKP2 Kab. Batang 	<ul style="list-style-type: none"> • On-going collaboration on CEM Implementation
<ul style="list-style-type: none"> • RSPD Kab. Klaten 	<ul style="list-style-type: none"> • On-going collaboration on CEM Implementation
<ul style="list-style-type: none"> • RSPD Kab. Sukoharjo 	<ul style="list-style-type: none"> • On-going collaboration on CEM Implementation
East Java	
District Health Office in 12 Kab/Kota IUWASH partners & SMEs	On-going collaboration for the development of individual sanitation system: community triggering, behavior change education,
Bank Jombang; Bank BSM Kab. Mojokerto	Sanitation microfinance program in Kab. Jombang and Kab. Mojokerto
Public Works Office in Kab. Jombang, Kab. Gresik, Kota Surabaya, Kota Batu, Kota Malang, Kab. Malang, Kota Probolinggo	Facilitation in post construction phase of IPAL KOMUNAL USRI facilities built in 2012-2014
Pokja Sanitasi all partners except Kota Surabaya and Kota Mojokerto	Preparation of Sanitation Regulation, Roadmap and Establishment of UPTDs in Kota Batu, Kab. Gresik, Kab. Mojokerto, Kab. Lamongan; Revitalisasi UPTDs in Kab. Jombang, Kab. Probolinggo, Kota Malang, Kota Probolinggo, Kab. Sidoarjo, Kab. Malang (on-going)
DFAT/INDII	Ongoing collaboration on capacity building for Kab Probolinggo & Kab. Gresik, sAIG locations – pre-construction phase and community triggering to increase customers in existing facilities.
Pondok Pesantren Annur Kota Probolinggo	Development of IPAL Komunal in Pondok Pesantren and small sewerage system in surrounding communities.
South Sulawesi/Eastern Indonesia (SSEI)	
Koperasi Denas 66	On-going collaboration for the development of microfinance for sanitation in Kab. Sidrap and Enrekang
8 PU Depart. partners (Kota Makassar, Parepare, Kab, Sidrap, Pinrang, Enrekang, Jenepono, Takalar and kab. Bantaeng)	Ongoing collaboration on capacity building for optimize the IPAL Communal in 196 locations
DFAT/INDII, PU Depart. in Maros and Makassar	Ongoing collaboration on capacity building for 9 sAIG locations (Makassar 4 locations and Maros 5 locations)
Satker AMS – PPK Air Limbah Prop Maluku	Ongoing collaboration on capacity building for 1 location (Passo) – Kota Ambon.
UPTD PAL Makassar	Ongoing collaboration on for the development of communal septage management in Perumahan BTP Kota Makassar
7 UPTD PAL Partners (Makassar, Maros, Pinrang, Bantaeng, Parepare, Ambon and Jayapura)	Ongoing collaboration on capacity building and Strengthen of the sanitation institutional.
UPTD PAL Makassar.	Ongoing collaboration on capacity building of GIS and Billing System.
“City Promotion Sanitation Team” (Sanrima – Maros and Prosinta – Makassar)	Ongoing collaboration on capacity building for Socialization, Advocacy, Campaign, Education and Promotion of sanitation issues.

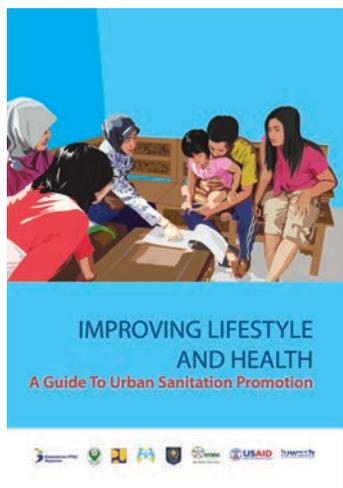
Program SAN-I: Access to Improved Sanitation through Individual Household Systems

Summary of Achievements to Date

Until the end of the reporting period 23,550 households (or about 117,750 people) got access to improved household sanitation facilities as a direct result of IUWASH interventions and collaboration with PNPM Mandiri, local financial institutions, cooperatives, sanitation entrepreneurs and local government funded programs.

National Achievements during the this Quarter

Development of Communication Materials



During this quarter IUWASH finalize the Urban Sanitation Promotion Guide with the title 'Improving Lifestyle and Health', now comprising a preface signed by the Director of Housing and Settlement – Bappenas. The guideline was also shared with development partners and related government institutions and was uploaded to the IUWASH website for reaching a broader audience.

Printed Materials

MCAI (Millennium Challenge Account Indonesia) will use and reproduce the latest IUWASH brochures and promotion materials for 'hand washing with soap and toilet maintenance', in support of their own BCC activities.

Video

IUWASH reproduce three promotional videos and distributed them to development partners and related government agencies. The videos were also uploaded to the IUWASH website. IUWASH also produced speed

drawings for promoting regular desludging, which is now distributed to development partners and related government agencies.

Coordination with the Ministry of Health (MoH)

IUWASH is regularly coordinating with MoH to shared lessons learned and progress of IUWASH field implementations, amongst others IUWASH collaboration with PT. Bank BPR Kerta Raharja in Kabupaten Bandung and KPP (cooperative) sanitation program in Kabupaten Tangerang for fostering the provision of standardized septic tanks to the communities.

Recent meetings were held with the newly appointed Director of Environmental Health, Dr. Imran Agus Nuarli for building his insight about the IUWASH program and approaches. During a recent meeting it was agreed to conduct a joint field visit between the Directorate of Environmental Health of MOH and the newly appointed director PPLP of the Ministry of Public Health and Housing with the intention to learn more about successful implementations of micro-finance schemes. The broader objective is to encourage both ministries to increase their support towards the development of micro-finance networks for accelerating wider community access to improved sanitation through alternative micro-finance funding.

Workshop on STBM Verification Tool

In order to upgrade the existing STBM verification tool, MoH organized a workshop to review existing tools through strong participation from development partners. IUWASH shared field experiences of the STBM approach in support of promoting sanitation in urban settings, which was commonly accepted by the participants and, more importantly, by MOH.

Promotion of individual household sanitation

As most of the regional SAN-I programs are ongoing, IUWASH continues collaborating with micro-contactors (wira usaha sanitasi), cooperatives, credit unions and micro-finance institutions (MFI) for providing broader communities access to improved household sanitation facilities. Besides reaching agreed household numbers in support of the PMP indicator HR2, IUWASH is also establishing networks, systems and procedures at local government level that allows the replication and continuation of the promotion process for improved household facilities beyond the current IUWASH term.

Microfinance (MF)

At present, IUWASH is working with various micro-finance institutes in 23 local government jurisdictions for promoting micro-finance as a vital driver for improving access to improved household sanitation, in

particular to low and medium income households. Main development partners are BRI, Bank Sulselbar, BSM, Bank Jombang, BPR Kabupaten Bandung (BPR Kerta Raharja), KPP Cooperative, Denas Cooperative, BMT (Cooperative Sharia), and Credit Union in North Sumatra. Because the various institutions involved are requiring different lending conditions, the national MF specialist is supporting regional IUWASH staff in finding tailor-made MF arrangements that comply with the credit conditions of each individual lender. Hence, IUWASH is fostering networking amongst potential stakeholders and capacity building for enhancing stakeholder knowledge and MF support.

IUWASH also provide assistance in support of the development of collaborations between banking institutions and/or cooperatives with sanitation entrepreneurs, which helped a of number entrepreneurs to grow a sanitation business through MF support.

During the reporting period micro-finance was provided for the construction of “Jamban Sehat” (flush WC with septic system) for 653 households, which brings the total number of households that have gained access to improved individual sanitation through micro-finance to above 4,000 units.

The following table summarizes the status of micro-finance for the IUWASH sanitation program for the three most promising locations:

Region	Local Government	MF Partner	Status	Notes
West Java/DKI Jakarta/ Banten	1. Tangerang District	<ul style="list-style-type: none"> - Cooperative KPP UMKM Tangerang - Sanitation Entrepreneurs 	<ul style="list-style-type: none"> - KPP Tangerang is pursuing the achievement of 4,000 units of household facilities during 2015 - Achievement to date 585 units 	<ul style="list-style-type: none"> - KPP Tangerang effectively mobilizes member savings for working capital and collaborates with trained sanitation entrepreneurs for product delivery. Beyond initiation, IUWASH is supporting KPP with QA assistance for product delivery.
	2. Bandung District	<ul style="list-style-type: none"> - Local Government/Dinas Kesehatan - BPR Kab Bandung - Sanitation Entrepreneurs - PKK 	<ul style="list-style-type: none"> - Stakeholder agreed on 3 years program for utilization of Rp 5 Bio allocated by BPR - Dinas Kesehatan allocated impl. supporting budget for 17 districts - Achievement to date 125 units 	<ul style="list-style-type: none"> - The collaboration between the LG, BPR, Sanitation Entrepreneurs, PKK and Sanitarian results in a promising MF scheme for supporting the roll-out and the sustainability of the program.
East Java	3. Jombang District	<ul style="list-style-type: none"> - Bank Jombang - BRI - Koperasi Desa - Koperasi Harapan Kesamben 	<ul style="list-style-type: none"> - The sanitation credit scheme has reached to date more than 1,500 households 	<ul style="list-style-type: none"> - Bank Jombang is one of the key players for the development of micro finance for sanitation in East Java. Their micro finance scheme for sanitation is now one of the flagship products, which is gaining attention within the region

Regional Achievements during the this Quarter

The following table is providing a summary of regional interventions in support of community access to improved household sanitation in 39 partnering IUWASH jurisdictions.

SAN-I: Progress Summary of Household Sanitation

No	Location	Type of IUWASH Support	Potential Households ¹	Status	Main Implementer
1 North Sumatera					
1.1	Kota Medan	IUWASH advocates APBD budget allocations and collaborates with community groups, sanitarians, PNPM, and Credit Unions. Triggers demand for standardized septic tanks and advocates replication of the PNPM Mandiri program	400	Ongoing	YAKMI, Perkim
1.2	Kota T. Tinggi		200	Ongoing	IUWASH & PNPM
1.3	Kota P. Siantar		200	Ongoing	IUWASH, CU Mandiri & Saroha
1.4	Kota Sibolga		130	Ongoing	IUWASH, Perkim
1.5	Kota T. Balai		40	Ongoing	IUWASH, Perkim
2 WJDB					
2.1	Kota Bogor	Support to DINKES for sanitation promotion and demand triggering	400	Ongoing	IUWASH & DINKES
2.2	Kota Bekasi		40	Ongoing	IUWASH & DINKES
2.3	Kab. Bekasi	Collaboration with multiple stakeholders in promoting and providing access to Jamban Sehat and financing options	10	Ongoing	IUWASH & DINKES
2.4	Kab. Bandung		60	Ongoing	IUWASH
2.5	Kab. Serang		20	Ongoing	DIM
2.6	Kab. Lebak		200	Ongoing	DIM
2.7	Kab. Tangerang	Collaboration with Water.Org and KPP in providing fiber septic tanks to KPP members	1400	Ongoing	IUWASH, KPP, DINKES, Water.Org
2.8	DKI – Jakarta	Strengthening local desludging services	250	Ongoing	STTA & Mercy Corps
3 Central Java					
3.1	Kota Semarang	IUWASH collaborates with the Government's PNPM program in promoting 'Jamban Sehat' and standardized septic tanks to low income communities. IUWASH plays a major role in creating demand and establishing the supply chain in support of these activities	180	Ongoing	IUWASH & PNPM
3.2	Kota Surakarta		377	Ongoing	IUWASH & PNPM
3.3	Kab. Kudus		203	Ongoing	IUWASH & PNPM
3.4	Kab. Kendal		241	Ongoing	IUWASH & PNPM
3.5	Kab Semarang		111	Ongoing	IUWASH & PNPM
3.6	Kota Salatiga		229	Ongoing	IUWASH & PNPM
3.7	Kab. Rembang		1,632	Ongoing	IUWASH & PNPM
3.8	Kab. Sukoharjo		1,308	Ongoing	IUWASH & PNPM
3.9	Kab. Klaten		8,824	Ongoing	IUWASH & PNPM
3.10	Kab. Batang		1,025	Ongoing	IUWASH & PNPM
4 East Java					
4.1	Kab. Sidoarjo	IUWASH mobilizes demand and supports the establishment of the supply chain in close cooperation with LG agencies (Bappenas, DINKES, PU), private sector (finance institutions such as cooperatives and banks) and local suppliers (ITS, SMEs)	200	Ongoing	ITS
4.2	Kota Surabaya		50	Ongoing	IUWASH & DINKES
4.3	Kab. Gresik		50	Ongoing	IUWASH & DINKES
4.4	Kab. Lamongan		100	Ongoing	ITS
4.5	Kt Probolinggo		300	Ongoing	ITS
4.6	Kb Probolinggo		200	Ongoing	ITS
4.7	Kota Mojokerto		50	Ongoing	ITS
4.8	Kab. Mojokerto		100	Ongoing	ITS
4.9	Kab. Jombang		600	Ongoing	ITS
4.10	Kab. Malang		50	Ongoing	IUWASH & DINKES
4.11	Kota Batu		50	Ongoing	IUWASH & DINKES
5 South Sulawesi & East Indonesia					
5.1	Kab. Takalar	Supports to DINKES in sanitation promotion and training of local SMEs and partners with financial institutions/cooperatives to provide financing	110	Ongoing	IUWASH & DINKES
5.2	Kab. Maros		50	Ongoing	IUWASH & DINKES
5.3	Kab. Jeneponto		900	Ongoing	IUWASH & DINKES
5.4	Kota Pare-Pare		100	Ongoing	IUWASH, DINKES & Kop. Aneka Jasa

¹ The actual achieved numbers of house connections are presented in a separate PMP section of this report.

No	Location	Type of IUWASH Support	Potential Households ¹	Status	Main Implementer
5.5	Kab. Pinrang	Collaborates with DINKES to trigger demand and local cooperative and SMEs to provide community access to affordable Jamban Sehat	100	Ongoing	IUWASH, DINKES & Kop. Denas
5.6	Kab. Sidrap		120	Ongoing	IUWASH, DINKES & Kop. Denas
Total Potential Household Connections			23,270		

The following section is outlining the main SAN-I achievements in the five IUWASH regions.

North Sumatera Region:

The development of individual sanitation through demand triggering for improved sanitation was successfully implemented during the reporting period. A total of 32 and 145 pilot units of improved septic tanks have been constructed in Medan and in Tebing Tinggi respectively. This program also included capacity development of sanitation entrepreneurs in support of program implementations. Furthermore, IUWASH supported the development of networks between the sanitation entrepreneurs, local credit institutions and cooperatives.

Main activities carried during this quarter include the following:

- Established and strengthened CBOs for the maintenance of 600 individual bio filter septic tanks in Belawan.
- Developed synergy between STBM and PNPM in Medan to promote the construction of additional 360 household septic tanks.
- Collaboration between STBM and PNPM in Tebing Tinggi has resulted in the construction of 145 unit septic tanks, including 5 pilots and 140 units though PNPM replication.
- IUWASH provided capacity building to 9 sanitation entrepreneurs in Medan, Tebing Tinggi and Pematangsiantar for marketing, business plan preparation, and product promotion through public media.



HETTY TAMBUNAN/IUWASH NORTH SUMATRA

Beneficiaries in Medan are very happy because of a new septic tank SNI.

West Java, DKI Jakarta and Banten Region:

For the development of individual sanitation WJDB reached significant achievement during PY5, mainly through collaboration with all relevant stakeholders such Dinas Kesehatan, Bappeda, Wasbangkim, AKSANSI, Sanitarian, Kelompok Wirausaha Sanitasi (KWS), PKK, PT BPR Kerta Raharja Kab. Bandung and Koperasi KPP UMKM Syariah in seven cities, incl. Kab. Tangerang, Bandung, Serang, Lebak, Bekasi and Kota Bogor and Bekasi, which resulted in the construction of additional 1,830 units of individual sanitation facilities, which provides benefits to about 9,150 people. The detailed annual highlights for each city are as follows:

- **Kab. Tangerang:** Through the micro-finance scheme delivered by KPP UMKM Syariah Cooperative in collaboration with a number of trained sanitation entrepreneurs and SME partners. Because of these and achievements, the KPP UMKM Syariah has been awarded by the Ministry of Cooperatives as the best performing national cooperative. IUWASH also facilitate the development program of 1,000 healthy latrines funded by the local government, which started in September with 500 units; in addition 1,000 units will be provided by GEBRAK PAKUMIS, also funded by the local government.

- **Kab. Serang and Lebak:** The IUWASH Grant program implemented in these two districts by Dyza Ina Mandiri (DIM) is targeting 300 household sanitation systems of which 150 units will be provided through a micro-finance scheme and the remaining 150 units delivered through collaboration with the local government. Up to 10 sanitation entrepreneurs were trained in support of the development of these household sanitation systems.
- **Kota Bogor:** The development of healthy latrines for the low income community through the STBM approach was finalized in 5 villages. The approach has been successfully replicated by Dinas Kesehatan in additional 48 villages using local government funding. One sanitarian from Lawang Gintung was awarded as the sanitarian ambassador of the year because of his dedication and commitment to improve the life style and environmental health of the community.
- **Kota Bekasi:** In collaboration with Dinas Kesehatan IUWASH supported the development of community access to improved household sanitation facilities in Margamulya.
- **Kab. Bandung:** In collaboration with PT. BPR Kerta Raharja, IUWASH provided technical assistance in speeding up the realization of the sanitation program initiated by PT BPR Kerta Rahaja through a micro-finance scheme for which PT. BPR has allocated Rp 6 billion. The installation of the improved sanitation facilities are supported by local sanitation entrepreneurs that have been trained by IUWASH.

During this quarter the main activities carried out under this task are as follows:

- Implementation of improved household sanitation facilities in Kab. Tangerang, Serang, Lebak, Bandung, and Bekasi by 15 sanitation entrepreneurs who were trained by IUWASH in construction and business management. As a 'domino effect' these 15 family businesses spread their technical and management knowledge to their neighboring sanitation entrepreneurs.
- During a 'talk show' in Bandung, participated by Dinas Kesehatan, PT BPR Kertaraharja, IUWASH promoted the importance of improved household sanitation system through micro-finance schemes and associated field proven community approaches.
- A 'sanitarian gathering' with participants from Dinas Kesehatan, Puskesmas, sanitation entrepreneurs, and village leaders was conducted in Kab. Tangerang and Kota Bogor with the purpose of sharing experiences and knowledge in support of the development of household sanitation systems.
- USAID representatives visited KPP Tiga Raksa to observe the progress on household sanitation development through micro-finance and visited Pademangan to get first-hand impressions about 'kedoteng' desludging of household septic tanks.
- IUWASH trained and assisted in the development of a tool kit on sanitation marketing for KPP in Kab. Tangerang.
- IUWASH supported Dinas Kesehatan Kota Bekasi in sanitation promotion training for sanitarians, school representatives, and SKPD staff; as a result the local government planned to construct 30 individual latrines as a pilot program in Margamulya village, all funded by the local government.

Central Java Region:

The development and delivery of improved household sanitation facilities increased significantly in 10 partnering jurisdictions during PY5. This achievement was possible through close collaboration with PNPM Mandiri Perkotaan, which incl. various activities such as: behavior change communication for creating community demand, technical training for improving building standards, training on business management for sanitation entrepreneurs, community training on the use, operation and maintenance of the newly acquired household sanitation facilities, and monitoring and data collection on development results.

During this quarter the main activities carried out under this task are as follows:

- Construction of improved household sanitation facilities implemented by BKM through direct IUWASH assistance and training of BKM and 9 sanitation entrepreneurs.
- Conducted training on behavior change communication and monitoring of the utilization and maintenance of improved household sanitation facilities, which will help BKM for spreading their new

knowledge of community development through the provision of improved household sanitation facilities.

East Java Region:

For speeding up access to improved household sanitation facilities, IUWASH initiated a grant program during PY5, which included the strengthening of sanitation entrepreneurs and the development of micro-finance schemes in seven jurisdictions, incl. Kota Probolinggo and Mojokerto, Kab. Probolinggo, Sidoarjo, Lamongan, Mojokerto, and Jombang. The grantee LPPM ITS is working with communities, CBOs and sanitation entrepreneurs for strengthening their delivery capacities. The grant program is expected to achieve the target set forth to increase access to improved sanitation facilities for about 1,500 households.

During this quarter the main activities carried out under this task are as follows:

- Conducted training for SMEs in Kab. Jombang, Mojokerto and Probolinggo and Kota Mojokerto and Probolinggo on how to take sample from septic tank effluent for water quality laboratory analyses. This activity was done to support the monitoring of the quality of septic tank construction that constructed by SMEs.
- Conducted capacity building for SMEs in the targeted cities in management and administration, especially in bookkeeping. This activity aimed to support the SMEs to compare the expenditure and the profit so they can sustain their business.



IUWASH EAST JAVA

Sanitation marketing through local media radio and TV.



IUWASH EAST JAVA

Sanitarians and SME staff are taking sample to the septic tank to check the water quality of septic tank effluent.

South Sulawesi & East Indonesia Region:

Implementation of the program for providing access to improved household sanitation facilities during PY5 were mostly delivered through micro-finance activities. Key activities conducted include:

- FGD on identifying the sanitation issues related to construction and household promotion in Pinrang, Sidrap and Takalar districts
- Involved local media for accelerating implementations of the sanitation program in Pinrang, Sidrap and Takalar
- Community triggering and develop of micro-finance schemes with local institutions (Koperasi, sanitation entrepreneurs, etc.) in support of construction of improved household sanitation facilities in Pinrang, Sidrap, Bantaeng and Takalar
- From the activities above, a total of 227 households have received new sanitation facilities, including 87 households in Jeneponto, 21 HH in Takalar, 19 HH in Maros, 55 HH in Pinrang, 11 HH in Parepare and 34 HH in Sidrap.

During this quarter the main activities carried out under this task are as follows:

- Conducted series of training on construction of septic tank with up-flow filter based on SNI standard. Participants included masons, sanitation entrepreneurs, KSU 'Denas 66', and sanitarians from Kab. Maros, Pinrang, Sidrap and Kota Parepare.
- During the month of Ramadhan (fasting month), IUWASH SSEI conducted promotion programs for sanitation micro-finance through local media (radio advertisement) at Susia 106.6 FM and local TV in Pinrang.
- Conducted monitoring & evaluation of progress of sanitation marketing activities, which was activity attended by Cooperatives, sanitation entrepreneurs, health volunteers, and sanitarians.

- Conducted cross visit to provide better understanding on micro-finance and sanitation saving implemented by cooperative KPP in Kab. Tangerang.
- Conducted training for sanitation entrepreneurs and masons (phase II) on construction of septic tank with up-flow filter based on SNI standard in Kab. Bantaeng.
- Conducted capacity building for sanitarians on sanitation promotion for developing better understanding and improvement of skills in support of urban sanitation promotion.

Planned Key Activities for the next Quarter

National:

The national IUWASH team will support selected regional key activities and will continue close collaboration with Bappenas, the Ministry of Health, the Ministry of Public Works and Housing and other key development partners for increasing the emphasis on the sustainability of IUWASH interventions, including:

- Monitor & oversight of regional programs
- Support at national level promotion of sanitation through PNPM Mandiri
- Support regional key workshops & events
- Support development of micro finance in the regions
- Disseminate IEC material
- Implement TOT program for master trainer for disseminating the urban STBM approach
- Implement septic tank performance study
- Finale guideline on micro-finance
- Finalize training material for development of sanitation entrepreneurs
- Finalize & disseminate Sanitation Toolkit

North Sumatra Region:

- Provide post construction support to beneficiaries that received a 'bio-filter' septic tank in Medan, Tanjungbalai, and Sibolga
- Development of 'ketoteng' for biofilter septic tanks in Medan, Tanjungbalai, and Sibolga
- Household sanitation promotion for increasing continuation of program activities beyond the current IUWASH term in Medan and Tebing Tinggi
- Strengthening of sanitation entrepreneurs and budget advocacy to LGs in Tanjungbalai, Tebing Tinggi, Sibolga, and Binjai.

West Java, DKI Jakarta and Banten Region:

- Facilitate on-the-job-training and supervise the development of SNI septic tanks in Kab. Tangerang in support of the 1,000 latrines program implemented by the Indonesian Military (TNI) and 1,000 latrines program implemented under the Gebrak PAKUMIS.
- On the job training in Kota Bekasi assisting the APBD sanitation grant program for 30 households and in Kab. Tangerang the KPP UMKM Syariah program for 76 households.
- Data collection on the use of improved household sanitation facilities supported by IUWASH in all kota/kabupaten in West Java and Banten.
- Support the CSR program of SCTV for funding to construct 25 improved household sanitation facilities.

Central Java Region:

- Conduct workshop at provincial level to disseminate the concept of improved household sanitation facilities and disseminate good examples of field experiences from Kab. Klaten to other sanitation practitioners
- Conduct workshop to develop funding potential for micro-finance in Kab. Sukoharjo.

East Java Region:

- Conduct education campaign of Hand Washing with Soap and Hygiene practices to students in Kota Batu

South Sulawesi and Eastern Indonesia Region:

- Conduct advocacy and capacity building for local governments key stakeholders for supporting the sustainability of waste water management operations, including support for the development of micro-finance
- Conduct capacity building for cooperatives and sanitation entrepreneurs for enhancing the sustainability of the household sanitation program. These activities will include sanitation marketing and the development of financial access for improving the effectiveness of the micro-finance program.
- Conducted monitoring and sharing of lesson learned.

Program SAN-2: Access to Improved Sanitation through Communal Systems

Summary of Achievements to Date

Until the end of the reporting period 22,623 households (or about 113,115 people) got access to communal sanitation facilities as a direct result of IUWASH interventions and collaboration with SPBM USRI, SLBM-DAK, SANIMAS and local government funded programs.

National Achievements during the this Quarter

IUWASH is partnering with the ADB sponsored USRI program and other government programs (SANIMAS/SLBM) in support of pre and post-construction activities for increasing the utilization, and the sustainability of more than 300 communal systems through both the strengthening of community based organizations (CBO) – (KSM/KPP) and the involvement of local government departments (Dinas PU and/or UPTD) in proving oversight and technical support. Specific national activities included:

- Ongoing collaboration with PPLP on SANIMAS field issues for improving the delivery mechanism in support of increasing the utilization and sustainability of constructed communal facilities.
- Ongoing support to SANIMAS IDB during the preparation phase for rolling out capacity building plans for CBOs in charge of the management of communal systems. Commencement of IDB sponsored field activities is pending due to a dispute in regard to procurement procedures.
- Joint presentation with PPLP of the Ministry of Public Works and Housing in regard to sustainability issues of communal sanitation systems, during close out workshop of SPEK HAM in Surakarta and Semarang.

Regional Achievements during the last Quarter

The following table is providing a summary of regional interventions in support of community access to communal sanitation systems in 34 partnering IUWASH jurisdictions.

SAN-2: Progress Summary of Communal Sanitation

No	Location	Type of System	Potential HH ²	Year	Impl. Status	Type of IUWASH Support	Status of IUWASH Support
1	North Sumatera		990				
1.1	Medan	SANIMAS IDB	300	2015	preparation	CB for KPPs during pre and post construction	Intensify stakeholder collaboration; focus on exit strategy
1.2	Tebing Tinggi	SANIMAS IDB, DAK, PLP BK	300	2015	preparation		
1.3	Binjai	SANIMAS IDB	150	2015	preparation		

² The actual achieved number of house connections are presented in separate PMP report

ANNUAL PROGRESS REPORT 5 OCTOBER 2014 – SEPTEMBER 2015
QUARTERLY PROGRESS REPORT 18 JULY – SEPTEMBER 2015

No	Location	Type of System	Potential HH ²	Year	Impl. Status	Type of IUWASH Support	Status of IUWASH Support
1.4	Pematang Siantar	SANIMAS IDB	240	2015	preparation		
2	WJDB		1,250				
2.1	Kota Bogor	SANIMAS IDB, SLBM	0	2015	finalized	TA & CB during pre and post construction phase	Need to explore alternatives for replacement of IDB investments; focus on exit strategy
2.2	Kota Bekasi	DAK SLBM	250	2015	finalized		
2.3	Kab Bekasi	DAK SLBM	100	2015	finalized		
2.4	Kab Purwakarta	DAK SLBM	200	2015	finalized		
2.5	Kab Bandung	DAK SLBM	200	2015	ongoing		
2.6	Kab Serang	DAK SLBM	400	2015	finalized		
2.7	Kab Lebak	DAK SLBM	100	2015	ongoing		
2.8	Kab Tangerang	SANIMAS IDB, DAK	0	2015	no activities		
2.9	Kab Tangerang Sel	SANIMAS IDB, DAK	0	2015	no activities		
2.10	DKI Jakarta	SANIMAS IDB, DAK	???	2015	In preparation		
3	Central Java		4,200				
3.1	Semarang	SANIMAS USRI	600	2011-13	post-constr.	TA & CB during pre and post construction by SPEK HAM	Post SPEK HAM IUWASH continues support for sustainability of communal sanitation through advocacy and CB of LG/UPTD
3.2	Surakarta	SANIMAS USRI	700	2011-13	post-constr.		
3.3	Kab Kudus	SANIMAS USRI	1200	2011-13	post-constr.		
3.4	Kab Rembang	SANIMAS USRI	1000	2011-13	post-constr.		
3.5	Kab Sukoharjo	SANIMAS USRI	400	2011-13	post-constr.		
3.6	Kab Klaten	SANIMAS USRI	300	2011-13	post-constr.		
4	East Java		6,200				
4.1	Kota Surabaya	SANIMAS USRI, DAK SLBM	760	2011-14	post-constr.	TA & CB during post construction by LPM and ITS	Provides strong capacity building support to 200 KPP/KSM in 7 cities and advocacy with local government institutions for providing oversight to performance of communal systems
4.2	Kab Gresik	SANIMAS USRI, DAK SLBM	1,680	2011-14	post-constr.		
4.3	Kab Jombang	SANIMAS USRI, DAK SLBM	520	2011-14	post-constr.		
4.4	Kota Probolinggo	DAK SLBM	200	2011-14	post-constr.	TA & CB by EJRO team	
4.5	Kota Malang	SANIMAS USRI, DAK SLBM	1,600	2011-14	post-constr.	TA & CB during post construction by BEST	Intensified stakeholder collaboration for focusing on exit strategy
4.6	Kab Malang	SANIMAS USRI, DAK SLBM	1,000	2011-14	post-constr.		
4.7	Kota Batu	SANIMAS USRI, DAK SLBM	440	2011-14	post-constr.		
5	SSEI		3,030				
5.1	Kota Makassar	SANIMAS USRI, DAK	1,800	2011-14	post-constr.	TA & CB during post construction by DKM	Post DKM IUWASH continues support for sustainability of communal sanitation through advocacy and CB of LG/UPTD and KPP/KSM forum.
5.2	Kab Takalar	DAK SLBM	150	2010-13	post-constr.		
5.3	Kota Parepare	DAK SLBM	400	2010-13	post-constr.		
5.4	Kab Pinrang	DAK SLBM	200	2010-13	post-constr.		
5.5	Kab Sidrap	DAK/SLBM		2010-13	post-constr.		
5.6	Kab Bantaeng	DAK/SLBM	440	2010-13	post-constr.		
5.7	Kab Jeneponto	DAK/SLBM	40	2010-13	post-constr.		
	Total		14,110				

The following section is outlining the main SAN-2 achievements in the five IUWASH regions.

North Sumatera Region:

The development of communal sanitation systems in the SUMUT region during PY5 was supported by IUWASH with a focus on the improvement of the management capacities of existing KPPs and KSMs in Petangsiantar and Tebing Tinggi. For PY#6 more emphasis will be provided on post construction support for local governments and operators.

During this quarter main activities carried out under this task are as follows:

- Provided support to KPPs of SANIMAS/SLBM (DAK) on proper operation & maintenance of communal sanitation systems.
- Conducted series of capacity building for improving technical and managerial skills for 9 KPPs in Pematangsiantar and 27 KSMs in Tebing Tinggi.
- Provided support during post construction activities for communal systems in Tebing Tinggi and Pematangsiantar.

West Java, DKI Jakarta and Banten Region:

The development of communal sanitation systems in the WJDB region during PY5 was implemented through a grant program by YPCII with strong support of KSM Darussalam, which has involved communities and schools in Margasana village of Kab. Serang and reached 87 households. The school in Margasana with 250 students has received toilets which reduced drastically open defecation.

The program was then successfully replicated by the local government to 6 neighboring villages and was visited by the USAID Regional Environmental Officer and staff of USAID/Indonesia.

IUWASH also supported the IPAL SANIMAS to optimize the existing communal sanitation facility in Bubulak in Kota Bogor with an improved sewer network and the construction of 79 household connections.

During this quarter main activities carried out under this task are as follows:

- Facilitated field visit by KSM SANIMAS IDB Jakarta to IPAL Lenteng Agung in support for the establishment of KSMs in charge for the implementation of nine communal sanitation systems in DKI Jakarta.
- Completed the outflow piping of the communal sanitation system in Margasana in Kab. Serang.
- Facilitated the construction of 22 additional connections for the communal sanitation system SLBM Desa Pacet in Kab. Bandung.
- Assist with capacity building to KSM for improving operation and maintenance works, including monitoring and evaluation of SANIMAS facilities in Kota Bekasi.
- Supported establishment of KSM association (AKSANSI) in Kab. Serang and Lebak as a strategy to improve oversight to the performance of communal sanitation services in collaboration with Dinas Kesehatan, Cipta Karya, DTRBP and UPTD PAL.

Central Java Region:

The development of communal sanitation systems in six cities is supported through a grant program implemented by SPEKHAM, an NGO from Surakarta. The program targets the construction of 2,000 new house connections and capacity building development for directly involved KPPs. IUWASH will continue supporting these KPPs for improving their operational skills and for optimizing their current communal sanitation systems.

During this quarter the main activities carried out under this task are as follows:

- Conducted series of training for members of 90 KPPs and their beneficiaries which improved their knowledge and capacity to operate and manage their communal sanitation system.
- The grant program also developed a TOT module for master trainers for the promotion of services and on



operation and maintenance of the communal sanitation system.

- Supported preparation of KPP proposals for the allocation of local government APBD budgets for year 2015 and 2016 in support of optimizing available capacities and increasing the number of household connections.

East Java Region:

The development of communal sanitation systems in the East Java Region was supported through the implementation of two grant programs, mainly with the aim for increasing access to improved sanitation, implemented by BEST, an NGO for Malang Raya and LPPM ITS for Surabaya, Gresik and Jombang. The grantees are working with the communities and CBOs for improving their operation and maintenance skills. These programs will achieve the target set forth to increase access to improved sanitation facilities for 6,000 households.

During this quarter main activities carried out under this task are as follows:

- Conducted capacity building on behavior change communication, book keeping, general management, gender and proposal writing to COB members for communal systems that were built during 2014 in Kota Malang, Kab. Malang and Kab. Gresik.
- Ongoing collaboration with LPPM ITS and BEST to provide capacity building and technical assistance to members of 150 COBs for communal system that were built during of 2012/13 in Kota Malang, Kab. Malang District, Kota Batu, Surabaya, Kab. Jombang, and Kab. Gresik.

South Sulawesi East Indonesia Region:

As a continuation of previous years IUWASH SSEI was focusing during PY5 on improving access and sustainability of exiting communal sanitation systems through a partnership with the NGO Yayasan Dwi Karya Mandiri, which conducted assessments of 199 MCK++ and communal sanitation systems in 7 districts which indicated that about 80% of these facilities are not utilized properly, for 17% improvements are required and only 3% are operated und utilized satisfactorily.

IUWASH uses this baseline data for local governments advocacy and user group training to optimize the benefits of these communal sanitation facilities.

As a result of advocacy and training efforts the number of unsatisfactory units dropped from 80% to 22% and the number of satisfactory units increased from initially 3% to 47%.

During this quarter main activities carried out under this task are as follows:

- Conducted regular meetings with Pokja-AMPL to a) obtain better understanding of problems faced by KPP and users; b) improve commitment to solve prevailing problems, including budget advocacy.
- Conducted advocacy to chief of sub districts and villages (Camat, Lurah) for providing better support to KPPs and users on operation and maintenance of the constructed sanitation facilities.
- Provided support to AKSANSI to motivate KPP/BPS and to improve their knowledge for increasing the utilization of existing sanitation facilities.



A. SUDARTO/IUWASH SSEI

Regular monitoring meeting with Pokja-AMPL, Sanitarian, Lurah and KPP in Makassar.

Planned Key Activities for the next Quarter

National:

IUWASH National will continue supporting selected regional key activities and will continue close collaboration with the Ministry of Public Works and Housing and other key development partners, with an increasing emphasis on the sustainability of IUWASH interventions, including:

- Cross sharing among regions on engagement of local government institutions in support of KSM/KPP operations
- Facilitating regions in developing IUWASH exit/sustainability strategies
- Continue support to East Java and Central Java in monitoring and disseminating results of SANIMAS assessments
- Continue collaboration with PPLP of the Ministry of Public Works and Housing
- Arrange joint field visit of PL Kemkes and PLP PUPR to demonstrate successful implementation of household sanitation through micro-finance and UPTD engagement in support of the management of communal systems
- Support grant managers for improving quality assurance
- Monitor and support regional implementations
- Support close out program in Jatim for LPPM ITS and BEST
- Support sustainability of KSM/KPP operations in Makassar and East Java
- Finalization of Buku Sanku and Flip Chart on Communal Sanitation
- Consolidation of assessment results of SANIMAS USRI from East Java, Central Java, and Makassar

North Sumatra Region:

- Continue to provide technical support on promotion activities and establishment/strengthening of KPP/KSM in charge of communal sanitation systems in Medan, Tebing Tinggi and Pematangsiantar.

West Java, DKI Jakarta and Banten Region:

- Workshop in support of KSM/AKSANSI capacity building in operation and maintenance of SANIMAS/SLBM facilities and advocate local government support for increasing the sustainability of the systems through the involvement of AKSANSI in Kab. Bandung, Tangerang and Kota Bogor
- Technical training to KSMs and TFLs for the development of the SABERMAS program in Kab. Bandung
- Socialization for increasing capacities of IPAL SANIMAS in four locations of Kota Bogor.

Central Java Region:

- Conduct training for KPP members to support their self-reliance in Kendal and Solo and to follow-up the grant program implemented by SPEKHAM in Rembang and Kudus (for SANIMAS USRI)
- Conduct ToT for master trainer at provincial level regarding the promotion of urban sanitation and hygiene behavior change communication in Semarang and Solo
- Conduct stakeholder workshop in support of sustainability development (policy + budgeting) and post behavioral change communication on individual and communal systems in Kab. Klaten.



IUWASH CENTRAL JAVA

An innovative tool created by the community group to open the inspection chamber cover so it gives incentive for the community members to continue the maintenance of the chamber.

East Java Region:

- Continue capacity building for KPP/KSM of communal system in Kota Batu, Kab Malang, Kota Malang, Kota Surabaya

- Conduct capacity building to strengthen KPP/KSM Forum in seven cities (Kota Surabaya, Kota Malang, Kota Batu, Kota Probolinggo, Kabupaten Malang, Kabupaten Gresik, Kabupaten Jombang)
- Conduct workshop to share the lessons learned on the development of communal sanitation systems in KPP/KSM in Kota Surabaya, Malang, Batu, Probolinggo and Kab. Malang, Gresik, and Jombang.

South Sulawesi and Eastern Indonesia Region:

- Conduct advocacy to UPTD-PAL, KPP & AKSANSI to build integration in support of increasing the benefits and sustainability of existing communal sanitation facilities
- Conduct refresher training for KPP/BPS members for the development of proposal, administration/book keeper and O&M
- Conduct TOT for sanitarians in urban sanitation promotion in Makassar, Maros, Parepare, Pinrang, Bantaeng and Takalar

Program SAN-3: Increased Sanitation Access through Off-site Sanitation (Sewerage)

Summary of Achievements to Date

IUWASH continued to support the promotion of community access to off-site systems, comprising small sewerage systems and city-wide sewerage, which are financed through APBN, INDII/sAIIIG and APBD. For selected locations IUWASH provided technical design support as a complimentary contribution to ongoing GOI's APBN construction budgets. To-date a total of 5,038 households (25,190 people) get new improved sanitation access through sewerage system. Activities carried out during the reporting period include:

Budget Advocacy with the Ministry of Public Works

- Supported APBN budget allocation for the construction of waste water related infrastructure development for 2016, including Rp 4,0 billion for a small scale sewerage system in Kota Tanjung Balai and Rp 10 billion for Kota Medan to continue with the rehabilitation of sewers.
- Supported APBN budget allocation process for the construction/rehabilitation of IPLTs in 2016, including Rp 5.0 million for IPLT Kota Medan and Rp 3 billion for the rehabilitation of IPLT in Kota Sibolga.

Budget Advocacy with the Local government

- Supported APBD budget allocation process for the construction of waste water related infrastructure during 2015, including Kota Medan Rp 8 billion for the construction of 1,000 new house connections; Kota Binjai Rp 400 million; Kota Tebing Tinggi Rp 200 million; Kab Bandung Rp 75 million, and Jawa Barat 4.4 billion to start with the construction and repair of existing sewers and the WWTP to provide access for 800 new house holds in Soreang (on going bidding process).

Table: SAN-3: Summary of Government Leverage FY 2015/16

Kab/Kota	Program Description	Budget allocation (Rp x mio)				Year	Progress
		APBN	APBD Prov.	APBD Kab/Kota	IUWASH		
NORTH SUMATRA							
Kota Medan	City Sewerage System (1,000 HC)	10,000	-	8,000	150 (DED - 2015)	2015/16	Ongoing construction
	IPLT (new)	5,000	-	-	120 (DED-2013)	2016	APBN budget 2016 allocated
Kota Binjai	Small Scale Sewerage System (600 HC)	6,500	-	400	150 (DED-2014)	2015	Ongoing construction for WWTP, sewer & HCs
Kota T. Tinggi	Small Scale Sewerage System (360 HC)	-	-	200	200 (DED 2013)	2015	Ongoing construction

ANNUAL PROGRESS REPORT 5 OCTOBER 2014 – SEPTEMBER 2015
QUARTERLY PROGRESS REPORT 18 JULY – SEPTEMBER 2015

Kab/Kota	Program Description	Budget allocation (Rp x mio)				Year	Progress
		APBN	APBD Prov.	APBD Kab/Kota	IUWASH		
Kota T. Balai	Small Scale Sewerage System (400 HC)	4,000	-			2016	Continued lobbying for APBN budget allocation
Kota Sibolga	IPLT (rehab)	3,000	-	-		2016	
WEST JAVA-BANTEN & DKI							
Kab. Bandung	Small Scale Sewerage System (800 HC)	-	4,400	75	100 (DED 2015)	2015	Start with construction Oct 2015
Kota Bogor	City Sewerage System (800 HC)	-	-	200	100 (pipe crossing 2015)	2015	Ongoing construction of pipe crossing & 40 HCs
Kota Bekasi	Small Scale Sewerage System (120 HC)	-	-	-	700 (Grant 2013)	2015	IPAL construction finalized, construction of HCs ongoing
CENTRAL JAVA							
Kab. Sukoharjo	Small Scale Sewerage System in Gumpang & B.Sari	-	-	500		2015	Finalized construction of 450 HCs
	IPLT (New)	3,000	-	300	80 (DED 2014)	2015	Ongoing construction
Kab. Batang	IPLT (Rehab)	2,000	-	200		2015	
Kota Surakarta	IPLT (Rehab)	5,000	-	400	150 (DED 2014)	2015	Ongoing construction
EAST JAVA							
Kab. Gresik	Small Scale Sewerage System in Karangkring, Dahanrejo, Bunder Asri & Randu Agung (1,200 HC)	-	-	800		2015	Ongoing construction
Kota Malang	Sewerage System Mergosono & Ciptomulyo (3,000 HC)	4,000			120 (FS-2013)	2016	Not continued
Kab Probolinggo	Community triggering for HCs "IPAL Kawasan)			100		2015	Ongoing construction
SSEI							
Kota Ambon	Small Scale Sewerage system (500HC) in Nania(sAAIG) & Passo (IUWASH)	-	-	200	700 (Grant 2013)	2015	Ongoing construction
Sub Total (Rp x mio)		42,500	4,400	11,175	1,870		
TOTAL Leveraging 2013/15 (Rp x mio) (excl. IUWASH)		58.075					

Regional Achievements during the last Quarter

The following table is providing a summary of regional interventions in support of community access to off-site sanitation systems in 18 partnering IUWASH jurisdictions.

Table: Progress Summary SAN-3: Off-site Sanitation (Sewerage)

Location	Type of IUWASH Support	Progress (QPR#18)	Next Activity	Potential HCs
North Sumatra				

Location	Type of IUWASH Support	Progress (QPR#18)	Next Activity	Potential HCs	
1	Medan	Agreement of WWM support amongst KemenPU, Province and Kota Medan	MOU signed	Monitoring of implementation	1000
		<ul style="list-style-type: none"> FS & DED for rehabilitation of sewer and house connections Support for promotion of new house connections 	Finalized	Promotion for additional HCs	
2	Kota Binjai	<ul style="list-style-type: none"> DED for HCs Support Coordination with Kementrian PU 	<ul style="list-style-type: none"> Finalized DED Ongoing construction for WWTP & PSewer 	Continue budget lobbying for HCs (APBD-P 2015)	200
3	Kota TebingTinggi	Community survey, promotion, DED (WWTP and sewer) for sAIG in Kel Mandailing and Badak Pejuang	<ul style="list-style-type: none"> Finalized DED Construction of additional HCs 	Ongoing promotion and construction of HCs	165
4	Kota Tanjung Balai	Community survey, promotion, DED (WWTP and sewer) for sAIG in Kel Pasar Baru	Continue advocacy for APBN funding	Support for allocation of APBN 2016	400
West Java, Banten,DKI					
1	Kota Bogor	DED for pipe crossing and HCs	Finalized DED & bidding process	Ongoing construction	120
2	Kab. Bandung	DED for rehab. of WWTP & sewer of existing small scale sewerage system Soreang	Finalized DED	Monitoring & construction coordination	700
3	Kota Bekasi	Construction of pilot small scale sewerage system Kel. Marga Mulya	Finalized WWTP & 50% of sewers & HCs	Ongoing construction of sewer & HCs	125
4	Kab. Serang	Community survey and promotion of HCs to small scale sewerage system in 4 location (built in 2014) for sAIG system	Re-planning of design because of significant technical issues	Continue coordination with LG and sAIG	600
5	DKI PD PAL Jaya	Promotion and construction of HCs in Karet Kuningan	Continue HCs promotion	Continue HCs promotion	73
Central Java					
1	Kota Surakarta	Promotion of HCs (sAIG) & APBD budget advocacy	Continue HC promotion (Indll program)	Finalize program	1,000
2	Kab. Sukoharjo	HH survey, demand assessment & promotion of HCs for Kel Gumpang (250HH) and Kel Bondosari (200HH – sAIG)	250 HCs connected, remaining 200 HCs	Socialization and O&M training	450
East Java					
1	Kota Malang	FS for rehab. of tertiary sewer & HCs for small scale sewerage system	No progress	Not to be continued	0
2	Kab. Jombang	Rehab. of existing small scale sewerage system	Capacity building for UPTD to manage small scale sewerage system	Not continued	0
3	Kab. Gresik	<ul style="list-style-type: none"> Community survey & demand assessment - Karangkring (400HH), Dahanrejo (400HH), and BunderAsri (400HH) Plan for new location in Randuagung for sAIG 	Capacity building for UPTD to manage small scale sewerage system	Continue CB for UPTD and KPP to manage small scale sewerage system	800

Location	Type of IUWASH Support	Progress (QPR#18)	Next Activity	Potential HCs
4 Kab. Probolinggo	Support for socialization/demand triggering/promotion and community training	Ongoing demand triggering support	Continue demand triggering and construction of additional HCs	300
South Sulawesi & East Indonesia				
1 Kota Makassar	Community household survey/census, demand assessment and demand triggering, training	Capacity building for promotion team (Prosinta)	Continue support for HC promotion through Prosinta Team	500
2 Kab. Maros	Community household survey, demand assessment and demand triggering in 5 locations	Promotion training for community cadres (Prosima)	Continue promotion support for additional HCs with Prosima Team	1000
3 Kota Ambon	Household survey, demand assessment, demand triggering & DED for Kel. Nania (sAIG) & Kel. Passo (pilot IUWASH)	Demand triggering in collaboration with Pokja AMPL	Continue promotion support for additional HCs	600

The following section is outlining the main SAN-3 achievements in the five IUWASH regions.

North Sumatra Region:

During PY5 IUWASH North Sumatra Region focused their support of the development of off-site sanitation in Kota Medan, including the construction of 1,000 additional house connections, which was supported through the establishment of Pokja Promosi with multi-stakeholder members.

During this quarter the main activities carried out under this task are as follows:

- Finalized DED of house connections for the sewerage system in Medan, Binjai and Tebing Tinggi. In these cities IUWASH also provided support for the establishment of Pokja Promosi in each city. The sewerage construction is now in the tender phase and will be implemented by each participating local government and the Satker PLP of North Sumatra Province.
- Finalized support for socialization of sewerage house connections which was implemented by Pokja Promosi at Kelurahan level.

West Java, DKI Jakarta and Banten Region:

During the period of PY5, the WJBD team supported the development of off-site system in close collaboration with the sAIG program for which IUWASH was providing capacity building for contributing towards the sustainability of the program through pre and post construction activities. The sAIG program has developed WWTPs in four locations in Kab. Serang with a capacity of 200 households per system.

As the facilities were constructed by contractors with no direct supervision, technical problems arose that impacted on the promotion of services, which are now addressed by IUWASH in close collaboration with Dinas Tata Ruang, Bangunan dan Perumahan (DTRBP).

Other support provided included the optimization of a small scale sewerage systems in Kota Bogor (Tegal Gundil at Villa Citra Housing Complex) and support to PD PAL Jaya to expand household connections to the sewerage system in Karet Kuningan.

During this quarter the main activities carried out under this task are as follows:

- Assisted with the socialization for better utilization of each IPAL in each participating Kota/Kab, including training on hygiene behavior change in collaboration with DinKes and DPRBP.

- Supported construction management for sewer installation for IPAL Tegal Gundil located at Villa Citra Real Estate.
- Ongoing collaboration with PD PAL DKI Jaya on the development and maintenance of the sewer system in Karet Kuningan Jakarta for, up to now, 76 households.
- Ongoing collaboration with grant program implementations for a small scale sewer system/IPAL in Kota Bekasi with a capacity of 120 households. This facility will be completed in early November 2015.

Central Java Region:

During the period of PY5, Central Java team supported the development of off-site systems through collaboration with sAIG and technical assistance for the newly established UPTD in Sukoharjo, in charge of managing the newly sAIG systems.

During this quarter the main activities carried out under this task are as follows:

- Supported pre and post construction activities for the small scale sewer systems built by sAIG Program in Jombor village of Bendosari sub-district and Gumpang village of Kartasaura sub-district. Both waste water systems have the capacity of 250 house connections each.

East Java Region:

During the period of PY5 the East Java team supported the implementations of the sAIG program during pre and post-construction stage in Kab. Gresik and Probolinggo. Activities in Kab. Gresik included training for cadres and sanitarians for the promotion and community demand triggering.

During this quarter main activities carried out under this task are as follows:

- Facilitated Dinas PUCK of Kab. Probolinggo in implementing community triggering in support of the sAIG program. Dinas PUCK Probolinggo District has allocated Rp 100 million for 2015 to support the implementation of triggering activities, training for health cadres on demand triggering, household level promotion, and monitoring during post-triggering.

South Sulawesi East Indonesia Region:

During the PY5 period SSEI team supported the development of small scale sewerage systems through intensive collaboration with the sAIG program in Kota Ambon, Kota Makassar and Kab. Maros. IUWASH supported during pre and post construction in close collaboration with the concerned UPTD, sAIG Satker, sAIG consultants, and community groups. IUWASH activities also included advocacy to Pokja AMPL, PU, Tata Kota and UPTD for integrating these systems into the sanitation framework.

During this quarter the main activities carried out under this task are as follows:

- Assessment of progress of house connections at sAIG locations in Kota Ambon and Kab. Maros in close collaboration with UPTD PAL, including promotion of house connections for prospective customers.
- Conducted refresher training of the Tim Sanrima of Kab. Maros to evaluate the training impacts on sanitation promotion for cadres at five sAIG locations. The training was attended by 20 participants, including Camat and Lurah.

Planned Key Activities for the next Quarter

National:

- During the last year of PY6 IUWASH national will focus on contributing to the long term sustainability of off-site sanitation systems, including training of operators (mainly UPTDs) for O&M of off-site sanitation systems, demand triggering and the promotion and marketing of house connections, for which purpose the national team will disseminate best practices and lessons learned.
- Continue APBN budget advocacy for 2016 PPLP of the Ministry of Public Works and Housing for additional construction of small scale sewerage systems

- Support monitoring of the utilization and service performance of small scale sewerage systems built by sAIG during 2015

North Sumatra Region:

- Improvement of house connection database and verification of number of newly installed house connections in close collaboration with Satker PAMS, Dinas Perkim and PDAM Tirtanadi Medan
- Capacity building for the newly established Pokja Promosi Sanitatsi for improving communication skills for Medan and Binjai

West Java, DKI Jakarta and Banten Region:

- Conduct household promotion for increasing the demand for house connections to the small scale sewerage system of Tegal Gundil through APBD funding for 300 potential households.
- Conduct capacity building and community awareness training about the importance of appropriate O&M with waste water management operators in DKI Jaya, Kota Bogor, Kota Bekasi, Kab. Bandung and Kab. Serang

Central Java Region:

- Conduct a series of socialization events to increase the community awareness on benefits of the sAIG system in Gumpang in Kab. Sukoharjo

East Java Region:

- Facilitate capacity building for health-cadres and sanitarians for better promotion of household connections to the sAIG sewerage systems in Kab. Gresik and Probolinggo through events, training, coaching and monitoring.

South Sulawesi East Indonesia Region:

- Capacity building and monitoring of Prosinta & Sanrima program activities for Kota Makassar and Kab. Maros.
- Training for UPTD PAL and sanitarians for demand triggering and sanitation promotion for Kota Makassar and Kab. Maros.

Program SAN-4: Improved Urban Septage Management (IUSM)

Improved Urban Septage Management (IUSM) represents a series of activities, including the promulgation of appropriate regulation and institutional settings, operational arrangements, community data acquisition and services, finance, tariff determination, bill collection, and the integration of the private sector into the service delivery value chain. IUSM is a critical component of the IUWASH Urban Sanitation Framework and, properly managed, IUSM will significantly reduce contamination of groundwater aquifers and receiving water bodies and associated health risks.

A critical operational aspect to sustainable USM is the establishment and the enforcement of a customer service fees, which can be implemented through various fee collection options. IUWASH is collaborating with selected partner cities (DKI Jakarta, Kota Bogor, Kota Surakarta and Kota Makassar) for identifying appropriate tariff settings and fee collection methods. Equally important is the establishment of a customer data base and the identification and registration of septic tanks that requires the implementation of site surveys/census and the availability of a functioning GIS supported data base.

National Achievements during the this Quarter

Sustainability Plans for 'Kedoteng' in Belawan and Pademangan

- With regard to the sustainability plans for Belawan, North Sumatera and Pademangan, West Java, IUWASH is supporting 'tailor-made' specific approaches for revitalizing the stalled operations and community services. In Belawan focus this quarter was on continuing lobbying Local Government to provide infrastructure to increase water access, as without safe and affordable water source, communities in Belawan will not use the toilet facilities. In Pademangan a households survey was conducted, which shows that while majority of septic tank are not yet built in accordance to SNI standards, but willingness to join a Regular Desludging program is over 90%, which provides a good foundation for a small business unit to operate a regular desludging service.

Meeting with Ministry of Public Works and Housing

- Several reviews of the draft PU guideline on 'regular desludging' in collaboration with WSP. These guidelines have since been published and were also translated by IUWASH. Lessons learned from the study tour to the Philippines and the directions provided in the guideline for regular desludging, are the basis for a large regular desludging exposure workshop organized by Ministry of Public Works and Housing in early August for 50 potential partnering cities.

Support to four IUMS pilot cities

- Regular desludging **DKI – PD PAL Jaya**: IUWASH supported the set-up of a pilot area in Kelurahan Rawamangun, where PD PAM Jaya completed household census surveys for 4,289 households (out of 8,000 potential households) through the involvement of Dasa Wisma Cadre (PKK Cadre from Kelurahan Rawamangun) for establishing the necessary customer data.

Ongoing facilitation for the preparation of the Business Plan and commencement of regular desludging at PD PAL Jaya, supported by three seconded staff (comprising marketing, finance and technical).

- Regular desludging **Kota Bogor**: IUWASH is still supporting the preparation of a regulation on domestic waste water management. Also continuing with weekly coordination meetings with Bappedas, and the newly appointed Head of UPTD.

Progressed 'Rancangan Perda Air Limbah', including regulation of 'Regular Desludging' which will be managed by PDAM Tirta Pakuan Bogor.

- Regular desludging **Kota Surakarta**: The household census survey for 41,244 PDAM customers was finalized in May 2015, presenting the following key findings: number of house with a functional septic tanks (86%), septic tanks that can be access by a deslugger truck (75% of 86% = total 66%), and 'septic tanks' never desludged (50% of 86% = total 43%), which is suggesting that more than 50% of PDAM customers are lacking of standardized septic tanks.

IUWASH is also supporting the local government of Surakarta during the preparation of a waste water management development plan (Road Map) for planning horizon 2020.

- Regular desludging **Kota Makassar**: IUWASH supported the drafting of a local regulation (Rancangan Perda Pengelolaan Air Limbah Kota Makassar) and the revision of the existing "Perda Retribusi Jasa Umum" that includes the service fee for regular desludging. The household census for regular desludging got already replicate by UPTD in Bumi Talamanrea Permai for 10,000 households. IUWASH is now supporting the UPTD Makassar in implementing sanitation promotion campaigns, using a mobile truck and promotional materials within the designated pilot areas.

Regional Achievements during this Quarter

The following table is providing an updated summary of regional achievements in the field of improved urban septage management (IUSM) in 4 partnering IUWASH jurisdictions.

Table: SAN-4: Status of 'Improved Urban Septage Management'

No	City	Inhab.	Operator	Infrastructure			Regulation		PILOT Area	Plan for operations
				I P L T	Gov. Truck	Priv. Truck	W W M	RD		
1	Bogor	870.000	UPTD PDAM ¹⁾	I	I	N/A	O	P	'C' for 97 HH Perum. M. Bogor Raya	Mid 2016 ²⁾
2	Surakarta	560.000	PDAM	I	I	7	C	C	'C' for 20 HH Kel. Jebres	Aug 2015 ³⁾
3	Makassar	1.330.000	UPTD	I	9	-	O	P	'O' for 30 HH Bumi Tamalanrea	-
4	DKI Jakarta	9.600.000	PD PAL Jaya	2	5	N/A	C	C	'O' for survey Kelurahan Rawamangun and start from July for Kel. Kemanggisan	End 2015 ⁴⁾

Note:

P = Plan; O = Ongoing; C = Completed; WWM = Waste Water Management; RD = Regular Desludging

¹⁾ Intended joint operation

²⁾ Establishment of Pilot Area of PDAM costumers and PDAM Tirta Pakuan to start with manage the RD

³⁾ Commenced RD phase I (Kel. Jebres) for PDAM costumers

⁴⁾ Commenced RD Pilot area (Kel. Rawamangun) and government buildings

The following section is outlining the main SAN-4 achievements in the five IUWASH regions.

North Sumatera Region:

A significant achievement towards the development of improved urban sludge management was made with the signing of the Wastewater Development Agreement (Perjanjian Kerjasama/PKS) between the Ministry of Public Works and Housing, the Provincial Government of North Sumatera and the Local Government of Kota Medan. This agreement represents a milestone for sanitation development in Medan as it commits three government levels to join forces for the sake the development of sanitation facilities and services for the communities of Medan.

During this quarter the main activities carried out under this task are as follows:

- Supported the implementation of individual sanitation system for 30 units in Sibolga and 12 units in Tanjungbalai as pilots as part of an integrated septage management concept
- Supported the preparation of DED for the revitalization of IPLTs for five cities (Binjai, Tebing Tinggi, Sibolga, Asahan and Tanjungbalai), which is part of IUWASH budget advocacy with PPLP of the Ministry of Public Works and Housing.

West Java, DKI Jakarta and Banten Region:

During the period of PY5, the main activities implemented under this program included the development of regular desludging services (LLTT) in Kota Bogor and DKI Jakarta. The PDAM Kota Bogor is now nominated as the dedicated operator for managing the LLTT program and is therefore receiving increasing technical assistance form IUWASH, both national and regional, in support of the preparation of operations.

IUWASH is collaboration very closely with PD PAL Jaya and deployed 3 technical specialists under a secondment agreement to support the operationalization of regular desludging (LLTT) activities in selected densely populated areas within DKI Jakarta. The first area selected for regular septage removal services, using 'kedoteng' and 'moteng' is in Kelurahan Pademangan. Other areas will follow, including Kelurahan Rawamangun and Kemanggisan.

During this quarter the main activities carried out under this task are as follows:

- Supported signing of Memorandum of Understanding between Pokja Kedoteng in Kelurahan Pademangan and PD PAL Jaya in support of regular emptying of TSST (temporary septage storage tank) with a tariff of Rp.100,000/m³, excluding 10% service tax.
- Meeting with the Mayor of Bogor on 3 August 2015 to advocate the appointment of PDAM Bogor in charge of implementations of the LLTT program; which will be followed-up with the promulgation of a Mayor's Decree.

Central Java Region:

During the period of PY5, the main activities implemented under this program included the development of improved septage management (LLTT) for the city of Surakarta through empowerment of PDAM Surakarta. Activities included the preparation of a DED for the revitalization of the existing IPLT Putri Cempo; capacity building support for the PDAM and community socialization. The Ministry of Public Works and Housing allocated in 2015 Rp 4 billion for the revitalization of IPLT Putri Cempo.

Other support provided by the Ministry of Public Works and Housing in 2015 includes the revitalization of IPLT Randu Kuning in Kab. Batang (Rp. 1,9 billion), revitalization of IPLT Mojorejo in Kab. Batang (Rp. 2,7 billion) and the construction of a new IPLT in Kab. Rembang (Rp. 1,5 billion).

During this quarter the main activities carried out under this task are as follows:

- Conducted socialization for regular desludging in 23 Kelurahan of Jebres and Banjarsari sub-districts in Surakarta. Bappeda, PDAM and Bappeda and around 900 community leaders attended the socialization event for building common perception on the objectives and strategies of regular desludging (LLTT).
- Conducted socialization for regular desludging (LLTT) through the local radio and TV spots and talk shows with RRI and Meta FM Radio and TA-TV.
- Facilitated PDAM Kota Surakarta to develop a set of SOPs in supported the regular desludging (LLTT).



IUWASH CENTRAL JAVA
Socialization of LLTT Program through radio broadcasting in Kota Surakarta.

East Java Region:

During the period of PY5, the main activities implemented under this program focused on the development of regular desludging services (LLTT) for Kota Malang. The local government nominated PDAM Kota Malang as the operator and appointed Dinas Kebersihan as the regulator. For the coming year, IUWASH will provide intensive support to the PDAM for operationalizing regular desludging services for the communities in Kota Malang.

During this quarter the main activities carried out under this task are as follows:

- Advocacy to the local government's secretary (Sekda) and Bappeda of Kota Malang on the appointment of PDAM as the operator of regular desludging services (LLTT) in Kota Malang.

South Sulawesi East Indonesia Region:0

During the period of PY5, the main activities implemented under this program focused on the development of regular desludging services (LLTT) for Kota Makassar. IUWASH supported the local operator UPTD Kota Makassar with the piloting of regular desludging services for 125 households in Perumahan BTP

Tamalanrea. The formal launching of regular desludging services was supported by the Vice Mayor on 8 August 2015, which makes Kota Makassar the first city in Indonesia to implement regular desludging services (LLTT).

In support of the development of regular desludging services, IUWASH supported UPTD with the installation of a GIS based customer database system, and conducted technical training for UPTD staff to better management the existing IPLT.

IUWASH also supported UPTD PAL Kota Jayapura, Kab. Bantaeng, and Kab. Pinrang for improving urban septage management facilitated through UPTD exchange visits for sharing experiences on the management wastewater services.

During this quarter the main activities carried out under this task are as follows:

- Supported Kota Makassar to develop pilot program for regular desludging (LLTT) of Blok A of Perumahan Tamalanrea, conducted training for UPTD staffs on demand triggering and promotion of LLTT services.
- Conducted launching event of the regular desludging (LLTT) in Kota Makassar which was actively supported by Vice Mayor.

Planned Key Activities for the next Quarter

National:

IUWASH National will continue supporting the development of regular desludging (LLTT) by the National Government through facilitation of various learning events, development of training programs for facilitators, support for exposure trip to Philippines by Mayors of about 10 cities (6 of them collaborating with IUWASH) and expose LLTT in the upcoming Sanitation summit in November in Padang – West Sumatra.

North Sumatera Region:

- Promotion and advocacy of regular desludging (LLTT) in Medan City
- Monitoring of pilots and implementation and local government replications of regular desludging in Sibolga and Tanjungbalai

West Java, DKI Jakarta and Banten Region:

- Conduct capacity building to PDAM Kota Bogor for preparing for LLTT operations, including exposure to Mayor and conducting 2 days workshop with local stakeholders
- Continue supporting the LLTT program in Kelurahan Rawamangun DKI Jakarta covering 55 HHs
- Socialization of the LLTT program in Kab. Tangerang for 500 schools
- Identify representative from SKPD Kota Bogor for participating in the LLTT launching in Surakarta in October 2015
- Sharing draft Business Plan for LLTT for DKI and finalize after receiving comments

Central Java Region:

- Conduct advocacy to socialize the LLTT program and re-organize PDAM Surakarta for implementing regular desludging services
- Conduct socialization and technical training for private sector partners (septage removal providers) in Kota Surakarta
- Support launching of regular desludging services in Kota Surakarta

East Java Region:

- Support PDAM of Kota Malang to develop implementation of regular desludging services comprising: regulation and institutional settings, finance, field operation, sanitation marketing, and customer relations management.

South Sulawesi East Indonesia Region:

- Strengthen GIS based customer management
- Identification of potential collaboration with private sector for the development of desludging services with UPTDs in Ambon and Makassar.
- Monitoring & evaluation of the efficiency of the proposed customer billing system for UPTD Makassar

Program SAN-5: Establishment and Development of Waste Water Management Operators

Summary of Achievements to Date

IUWASH collaborates with local governments in support of institutional development of both existing service providers and the establishment of new technical management units – UPTD, which are ultimately responsible for citywide waste water management.

Until the end of the reporting period, IUWASH was actively supporting 41 local governments in the development of operational responsibilities for citywide waste water management services. Besides the strengthening of existing or newly established UPTDs, IUWASH is more recently also supporting four existing PDAMs for providing waste water management services. Out of these 41 locations, there are currently three groups with the following development status:

- A. 14 local governments owned, prior to IUWASH interventions, either an established UPTD (10 units) or a PDAM (4 units). Whereas most of the 10 UPTDs were either dormant or providing very limited customer services only, the 4 PDAMs were exclusively in charge of clean water supply services;
- B. 19 local governments have committed to the establishment of a new wastewater management operator (UPTD); and
- C. 8 local governments are still in the process of establishing a new waste water operator (UPTD).

Out of these three groups, 19 waste water operators, comprising 15 UPTDs - six of group A, eight of group B, and one of group C - and the aforementioned four PDAMs, are prioritized by IUWASH for advancing into operations and the delivery of customer services (see following table for detailed locations – prioritized locations marked yellow).

Status	NS	WJDB	CJ	EJ	SSEI	Keterangan
A. Revitalisasi dan Penguatan UPTD yang ada sebelum Intervensi IUWASH	1	4	4	4	1	14
	1. Kota Medan (PDAM)	1. Kota Bekasi	1. Kab. Sukoharjo	1. Kota Probolinggo	1. Kota Makassar	10 Prioritas (8 unit UPTD & 4 unit PDAM)
		2. Kab. Bekasi	2. Kota Semarang	2. Kab. Jombang		
		3. Kota Bogor (PDAM)	3. Kota Solo (PDAM)	3. Kab. Probolinggo		
		4. Kab. Tangerang	4. Kota Salatiga	4. Kota Malang (PDAM)		
B. UPTD Baru melalui Intervensi IUWASH berdasarkan PERBUB/PERWAL	5	1	2	5	6	19
	1. Kota Tanjung Balai	1. Kab. Serang	1. Kab. Rembang	1. Kab. Sidoarjo	1. Kota Ambon	8 Prioritas
	2. Kota T. Tinggi		2. Kab. Batang	2. Kota Batu	2. Kota Jayapura	
	3. Kota Binjai			3. Kab. Gresik	3. Kota Maros	
	4. Kota Sibolga			4. Kab. Mojokerto	4. Kota Parepara	
	5. Kab. Asahan			5. Kab. Lamongan	5. Kab. Pinrang	
				6. Kab. Bantaeng		
C. Masih Dalam Tahap Proses Pembentukan		3	3	2	0	8
		1. Kota Tangsel	1. Kab. Kudus	1. Kab. Malang		1 Prioritas
		2. Kab. Lebak	2. Kab. Semarang	2. Kota Mojokerto		
		3. Kab. Bandung	3. Kab. Kendal			
Total	6	8	9	11	7	41
Daerah Prioritas	3	4	4	5	3	19 (15 unit UPTD & 4 unit PDAM)

National Achievements during the this Quarter

Until the end of the reporting period, all five regional IUWASH teams continued providing support to prioritized local governments and their established waste water operators (15 UPTD and 4 PDAM), which includes the preparation of 5 years waste water development plans ‘Sanitation Road Maps’, support for the promulgation of supporting regulation, advocacy for the allocation of operational budgets, initial UPTD recruitment of personnel, and technical capacity building activities.

More specific national activities implemented during the reporting period, include the following:

- Several meetings with the Ministry of Public Works and Housing for disseminating the IUWASH approach and progress of UPTD establishment and development.
- Development of Standard Operating Procedures (SOP) that can be directly used for operator training.
- More recently IUWASH reached an agreement with PPLP of the Ministry of Public Works and Housing to prepare, in addition to the elaboration of SOPs, and as part of the IUWASH exit strategy, a set of training materials that can be used by the Ministry’s owned Technical Training Facility (Balai Pelatihan) in Bekasi for providing training to UPTDs beyond the current IUWASH program.

Regional Achievements during the this Quarter

The following table is providing an updated summary of regional achievements in regard to the establishment and capacity development of UPTD capacities in regard to IUWASH Outcome IC-8 in 37 partnering IUWASH jurisdictions.

Progress Summary on UPTD Developments

Compliance with PMP IC-8	NS	WJDB	CJ	EJ	SSEI	TOTAL
a. Regulation in Support of UPTD Establishment	5	5	5	8	7	30
b. Established UPTD Structure, Functions & Procedures	4	5	5	8	7	29
c. Established UPTD Workplan and Operational Budget	1	4	2	6	4	17
d. Hired initial UPTD Staff	2	4	2	3	4	15
e. Established CB Plan for Prioritized UPTD Services	3	-	1	5	7	15
f. Develop SOPs and Conducted Staff Training	3	-	-	5	5	13
Potential number of UPTD per Region (excl. 4 PDAMs)	5	7	8	10	7	37

The following section is outlining the main SAN-5 achievements in the five IUWASH regions.

North Sumatera Region:

During the period of PY5, the main activities implemented under this program focused on the established of UPTD in five cities (Binjai, Tebing Tinggi, Tanjungbalai, Asahan, and Sibolga). However, during a recent IUWASH assessment it became evident that only two UPTDs (Binjai and Tebing Tinggi) will become operational during PY#6. Nevertheless, support for the development of UPTDs in the other three cities will be continued. Besides, there are promising developments for Medan where the decision was made to transfer waste water management duties to the PDAM.

During this quarter the main activities carried out under this task are as follows:

- Conducted capacity building for UPTD staff of five cities (Binjai, Tebing Tinggi, Asahan, Sibloga, and Tanjungbalai) and PDAM Staff of Pematangsinar. Topics ranged from basic technical knowledge transfer and the mapping of capacities (base-line) of the UPTDs
- Facilitated the development of UPTD action plans to accelerate operationalization of UPTDs in five cities. A particular highlight was an ‘internship visit’ of all five UPTDs at UPTD Bogor.



YAYAT KURNIAWAN/IUWASH NORTH SUMATERA
 Five UPTDs presenting their mapping on capacity building plans in Pematangsiantar

West Java, DKI Jakarta and Banten Region:

During the period of PY5, the main activities implemented under this program focused on support for the strengthening of waste water operators in three cities (Kab. Tangerang, Serang and Kota Bekasi). The support to these cities resulted in the completion of waste water development Road Map. IUWASH also facilitated with the development local regulation in support of the establishment of an UPTD for Kab. Lebak. Whilst the UPTD development in Kab. Bandung may not progress swiftly; IUWASH is in the meantime supporting the development of a ‘mobile team’ for managing wastewater services until the UPTD is formally established.

During this quarter the main activities carried out under this task are as follows:

- Assisted Kota Bogor for strengthening the service delivery of all existing all KSMs
- In collaboration with Dispersasih Kab. Bandung, IUWASH facilitated the establishment of a ‘mobile team’ as an interim solution for managing the WWTP in Soreang, which will be rehabilitated for serving 500 households.

Central Java Region:

During the period of PY5, the main activities implemented under this program focused on the establishment and strengthening of waste water operators (UPTD) in seven cities, which is supported through grantee PT SCM Tirta Utama. Meanwhile, three cities (Kab. Batang, Sukoharjo and Rembang) have formed an UPTD in charge of domestic waste water management, whilst the other four cities (Kota Semarang, Kab. Semarang, Kendal, and Kudus) are still in the process of UPTD establishment.

This quarter main activities carried out under this task are as follows:

- Implemented capacity building under the grant program, including participants from Dinas Cipta Karya and UPTD Kab. Batang and staff from Dinas Pekerjaan Umum and UPTD Kab. Rembang.
- Assisted the local governments of Kab. Batang and Sukoharjo for drafting supporting wastewater regulations/Perda

East Java Region:

During the period of PY5, the main activities implemented under this program focused on the strengthening of waste water operators (UPTDs) through local government advocacy in five cities (Kab. Gresik, Sidoarjo, Jombang, Kota Probolinggo and Kota Batu). IUWASH supported UPTDs for developing SOPs, job descriptions, organizational structure, and the identification of required operational staff.

This quarter main activities carried out under this task as follow:

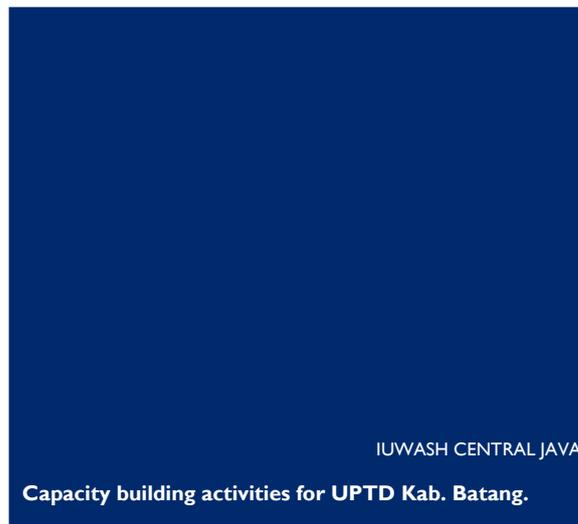
- Supported the established UPTDs in five jurisdictions (Kab. Gresik, Sidoarjo, Jombang, Kota Probolinggo and Kota Batu) to develop sets of standard operational procedures (SOP), organization structure and job descriptions which were formally endorsed by each head of the five local governments.
- Facilitated workshops and implemented capacity building training for UPTD staff. At the same time, Balai Diklat Air Minum dan Sanitasi of East Java Province also conducted training for IPLT operators of selected UPTDs.

South Sulawesi East Indonesia Region:

During the period of PY5, the main activities implemented under this program focused on the establishment and strengthening of UPTDs in Maros, Pinrang, Parepare, Bantaeng, Ambon and Jayapura. The support for UPTD Kota Makassar was focusing on initiation of regular desludging services (LLTT). Several capacity building activities with Pokja AMPL, SKPDs and UPTD were implemented to foster the promulgation of supporting regulations and budget allocations for 2015 and 2016.

During this quarter the main activities carried out under this task are as follows:

- Completed the Sanitation Roadmap for UPTD PAL Kota Makassar
- Conducted refreshing training of the Tim Prosinta Kota Makassar on communication and media



handling in collaboration with SPEAK

- Conducted training on GIS for the establishment of a customer database for UPTD PAL of Kota Makassar
- Conducted a workshop for six UPTDs (Maros, Pinrang, Parepare, Bantaeng, Ambon and Jayapura) to introduce improved sludge management. This training was supported by Pokja AMPL
- Conducted FGDs on the planning and budgeting as well as preparation of SOPs for UPTD Kota Jayapura, Kab. Bantaeng, Kab. Maros and Kab. Pinrang.

Planned Key Activities for the next Quarter

National:

IUWASH National will continue providing support to regional sanitation team, the Ministry of Public Works and Housing, the Ministry of Home Affairs, and Pokja AMPL, including:

- Follow-up discussion with Ministry of Home Affairs regarding the development of appropriate regulation on UPTD establishment
- Follow-up discussion with PPLP of the Ministry of Public Works and Housing and Pokja AMPL on various topics, such as 'Sanitation Index; and 'Master Map' concepts.
- Follow-up discussion with PPLP of the Ministry of Public Works and Housing on the development of Standard Operating Procedures (SOP) and a practical training materials for UPTD operations.
- Visit of all five regions for verification of UPTD development status, identification of priorities and immediate actions prior to the closing of the current IUWASH program

North Sumatra Region:

- Continuation of strengthening of UPTDs by provide capacity building and creating networks with key stakeholders in Binjai, Tebing Tinggi, and Tanjungbalai
- Ongoing support for the empowerment of PDAM Medan for implementing waste water operations and customer services.

West Java, DKI Jakarta and Banten Region:

- Monitoring and training of operational and management aspects of advanced UPTDs
- Support to UPTD Bogor for the promotion of additional house connections to the sewer system for Villa Citra Tegal Gundil Real Estate in Kota Bogor
- Review of capacities of WWTPs and IPLT in Kota Bogor to support the initiation of the LLTT program that will be implemented by PDAM Bogor
- Support UPTD Kab. Tangerang with the socialization of the LLTT program for 500 schools.
- Capacity building of 'mobile team' of Kab. Bandung.

Central Java Region:

- Assist UPTD PAL-D of Kab. Rembang with the development of a Road Map on waste water management
- Assist UPTD PAL-D of Kab. Batang and Kab. Sukoharjo on UPTD budget preparation for year 2016
- Assist Pemda Kab. Batang for launching of UPTD PAL-D

East Java Region:

- Facilitate capacity building for MIS applications for UPTD in five jurisdictions (Kab. Gresik, Sidoarjo, Jombang, Kota Probolinggo and Kota Batu)
- Provide support to PPLP of the Ministry of Public Works and Housing for implementing regular desludging (LLTT) for Sidoarjo and Gresik
- Building strong communication networks and more intensive coordination with Pokja AMPL/Sanitasi at provincial level as part of the IUWASH exit strategy through serial workshops

- Develop concepts and material for stakeholder advocacy for replication of IUWASH facilitation model to other cities/districts.

South Sulawesi and Eastern Indonesia Region:

- Strengthening of Tim Prosinta of Kota Makassar and Tim Sanrima of Kab. Maros in support of connecting 800 households to existing sewer systems
- Conduct training for Tim Promotion of Kota Ambon to implement the sanitation promotion as implemented before in Kota Makassar and Kab. Maros
- Review and make necessary adjustments to the sanitation road maps seven UPTDs (Kota Makassar, Ambon, Parepare, Jayapura and Kab. Pinrang, Bantaeng and Maros)
- Focusing on operational strengthening of three UPTDs (Kota Makassar, Kota Jayapura and Kota Ambon) to align services to the concept of the sanitation framework.

Section 3.4

CROSS-CUTTING SECTOR

IUWASH Cross Cutting programs continued this quarter to support areas that of importance to both water supply and sanitation and which generally involve the broader enabling environment for related services. Cross-cutting work specifically targets the development of supporting policies, increased budget allocations, increased citizen engagement, gender mainstreaming, and the strengthening of linkages between local government and private sectors. As the project is moving into its final stages of implementation, the project placed special emphasis on ensuring that all targets will be reached and that any progress registered will be sustained beyond the project's completion. Importantly, IUWASH also continued to expand the involvement of local leaders, specifically targeting enhanced participation by DPRD members who are critically important in areas such as local government budgeting and the development of policies which require legislative approval.

This year, IUWASH continued to implement five key cross-cutting programs (CC-1 to CC-5). These programmatic areas and the main achievements under each are summarized as follows:

- **CC-1/ Increased PEMDA policies:** To date, a total of 87 policies have been signed in the project's targeted total of 50 cities. A total of 12 policies have been developed this Quarter in all 5 IUWASH regions.
- **CC-2/ Increased APBD budgets:** IUWASH continued to conduct advocacy to LG partners regarding sector budget allocations. By the end of this year, 49 LGs showed increased APBD allocations to support improvements in water supply and sanitation service delivery.
- **CC -3/ Citizen Engagement Mechanisms:** To date, a total of fourteen IUWASH-assisted cities had developed or dramatically improved sector-relevant Citizen Engagement Mechanisms (CEMs). This figure includes 11 cities that completed this work in PY5. Typical CEM include: websites, radio programs, complaint handling units, and SMS Gateways.
- **CC -4/ Gender Mainstreaming:** This year, the IUWASH gender mainstreaming program continued to progress in the implementation of Gender Responsive Planning and Budgeting (PPRGs) programs in Kota Tebing Tinggi, Kab, Malang, Kab. Jombang and Kab. Maros. Currently, all of these LG partners have developed GAP, GBS and SOW documents for various gender-related watsan program activities that will inform the development of APBD budgets for FY 2016. The documentation of lessons learned of IUWASH gender pilot programs also began in the fourth quarter of PY5. The project's work with PKK in sanitation programming in DKI Jakarta and Kab. Bandung has also shown good progress.
- **CC -5/ Mobilizing CSR funding:** Significant progress was made with programs financed by CCFI through the completion of 3,403 infiltration ponds in Sibolangit, Pematang Siantar, Kab. Mojokerto, Kota Salatiga, Kab. Semarang and Kabupaten Malang. This figure includes 285 infiltration ponds constructed with IUWASH funding in Pematang Siantar, Kab. Batang, Kota Batu and Kab. Probolinggo. Total funds leveraged from CCFI are approximately US\$ 1 million. In addition, the project advanced in the strengthening of seven (7) local government CSR forums.

The following sections provide more detail regarding the activities and main achievements under each of the five cross-cutting programs.

Program CC-1: Increased Number of Local Government Policies

Local policy is a fundamental element in local government administration. It provides legal basis for implementing government affairs and public services, including those related to water supply and sanitation. The development and enforcement of appropriate sector policies is a key feature of the overall enabling environment upon which sustainable sector development depends. During PY5, IUWASH continued to provide technical assistance to municipal governments on policy development and related areas such as gap

analysis, exchange of best practices among local governments, facilitating stakeholder discussions to achieve consensus, policy drafting, development of related Standard Operating Procedures (SOPs) to appropriately put policies into effect, as well as the socialization and launching process.

This year, the focus of all IUWASH regions was to accelerate the completion of policy development to meet the target requirement of “One City, One Policy”. After East Java Region reached this target last quarter, it was rapidly followed by North Sumatra and SSEI, so that by the end of PY5, three of the project’s five regions had met their target. To particular areas of emphasis included the development of regulations supporting the establishment of UPTD-PAL (Outcome IC-8) and the development of Climate Change Adaptation Action Plans (CCAAP) (Outcome IC-4). These two outcome areas require strong policy support to ensure sustainability.

While IUWASH is well on-track for meeting its targets, the project has in fact identified a total of 123 local policies that it believes are needed and will continue to apply effort in this area during the course of PY6. The project’s total number and type of policies it hopes to facilitate include:

- 56 policies for UPTD establishment and other related waste water management regulations;
- 31 policies for water supply/PDAM strengthening, including provision of equity;
- 17 policies for Raw Water protection;
- 19 policies to support Community Engagement Mechanism.

The following table summarizes IUWASH to-date achievements in policy development:

Region	Number of LG having policies supported watsan	Number of policies developed up to June 2015	Number of policies developed this quarter	To-date achievement of policies development
North Sumatra	9	16	5	20
West Java & Banten	9	13	1	14
Central Java	9	16	3	19
East Java	11	17	1	18
South Sulawesi & East Indonesia	12	13	2	15
Total	50	75	12	87

As stated above, IUWASH completed 12 additional policies in the final quarter of PY5, including:

- **North Sumatra Region:** Two Peraturan Walikota (Perwal) on raw water protection in Kota Sibolga and Kab. Pematang Siantar; an SK Walikota on Citizen Engagement Mechanism in Kota Binjai; and two Perwal on UPTD-PAL establishment and domestic wastewater management in Kota Sibolga;
- **West Java/DKI Jakarta/Banten Region:** An SK Bupati was signed in Kab. Lebak which adjusted the PDAM tariff;
- **Central Java Region:** Two Perwals were signed by the Mayor of Kota Surakarta to support the implementation of regular de-sludging, and another was signed in Kota Salatiga regarding the tasks and functions of the UPTD-PAL;
- **East Java Region:** One Perda was signed by the Bupati of Kab. Mojokerto on raw water protection. This Perda will support the implementation of water resource management in the district. The Perda also mentioned the construction of infiltration ponds as one alternative for raw water protection.
- **South Sulawesi/Eastern Indonesia:** This quarter, two Perwals were signed by the Mayor of Kota Makassar to support implementation of Regular Desludging. These related to the management and tariff of desludging services.

The following is summary of main achievements under program CC-I of all IUWASH regions during this year and specific activities have been done this quarter:

North Sumatra Region:

This year, significant progress was in policy development with all partner municipalities having fulfilled (and many having exceeded) the target of One City One Policy. In total, 13 new policies were enacted during the course of PY5 and involving such areas as PDAM business planning, wastewater management, UPTD development, raw water protection and CEM development.

Below are some key activities implemented during this quarter:

- Signing of mayoral regulations on raw water protection, UPTD Development, and waste water management in Kota Sibolga and a mayoral decree on a complaint handling mechanism and related procedure (a CEM activity) in Kota Binjai;
- Formulation of an academic paper and draft local regulation (Perda) on wastewater management in Kota Medan.
- Formulation and signing of a cooperation agreement or Perjanjian Kerjasama (PKS) between Ditjen Cipta Karya Kementerian Pekerjaan Umum dan Perumahan Rakyat, Pemerintah Provinsi Sumatra Utara, and Pemerintah Kota Medan on Penyelenggaraan Pengembangan Sistem Pengelolaan Air Limbah Kota Medan.



WJDB Region:

A notable achievement on policy development was been made by WJDB Region in PY5 with all partner municipalities having developed a new policy with the exception of Tangerang Selatan City. In total, six (6) new policies were enacted.

During the final quarter of PY5, notable activities included:

- The academic paper and a draft Ranperda on waste water management in Kota Bogor was submitted to Bagian Hukum for further consideration;
- The Bupati of Lebak approved through decree a Customer Reclassification used in the PDAM tariff;
- Consultations were held with LG stakeholders to get feedback on a draft Peraturan Bupati on Pedoman Pelaksanaan Tata Kelola Sumber Daya Air in Kabupaten Serang.

Central Java Region:

All partner municipalities in Central Java achieved the target of having at least one policy with the exception of Kab. Kudus—and with six (6) additional new policies approved during PY5 alone.

Key activities on policy development carried out during the last quarter of PY5 included:

- Signing of a Mayor Regulation on the revision of wastewater tariff and customer classification;
- Signing of a Mayor Regulation on desludging services tariff;
- Conducting an advocacy meeting with DPRD Kota Surakarta to get their endorsement for the implementation of the two abovementioned regulations;
- Signing of a Mayor Regulation on the UPTD function on wastewater management in Kota Salatiga;
- Formulation of a draft academic paper and Ranperda wastewater management in Batang and Sukoharjo.

East Java Region:

In PY5, East Java Region completed the development of at least one policy supporting water and sanitation sector in each municipality. This region is the first among five IUWASH regions which fulfilled the target of

“one city one policy”. It is also important to note that the first policy on raw water protection was completed in this region. In total, there are nine (9) new additional policies issued by local authorities during PY5.

Some important activities implemented during the final quarter of PY5 included:

- Facilitation of a draft Regent Regulation (Perbup) on UPTD establishment in Malang District.
- Consultation with the Secretary (Sekda) of Kabupaten Jombang regarding personnel and budget requirements for UPTD operation.
- Discussion of a draft Peraturan Daerah on domestic wastewater management in Kab. Sidoarjo.
- Signing and socialization of a regulation on infiltration wells for aquifer recharge in Kabupaten Mojokerto.
- Drafting of a Mayoral Regulation on infiltration wells in Kota Probolinggo.
- FGD with stakeholders to inform the drafting of a Peraturan Bupati Probolinggo on infiltration wells.
- Consultation regarding the development of an Academic Paper in support of a draft Perda on wastewater management in Kota Malang.

SSEI Region:

By the end of PY5, all partner municipalities had completed at least one new policy on water and sanitation development, with three (3) such policies having been enacted during the year.

During the final quarter of PY5, there activities carried out under this task included:

- FGD with Pokja AMPL of Kota Parepare, Kab. Enrekang, Kab. Pinrang, and Kab. Sidrap on potential policy amendment or having new policy on Raw Water Protection.
- FGD with Pokja AMPL of Kota Parepare for the formulation of the draft Mayor Regulation on Pengelolaan Air Permukaan.
- Supported Dinas PU Kota Makassar in the discussion with special committee (Pansus) of DPRD on the draft local regulation (Ranperda) on Domestic Waste Water Management.

Next Quarter Planned Activities

The following is summary of next quarter planned activities of Program CC-I in the 5 IUWASH regions:

National Team:

- Continue to support regional activities on policy development and to disseminate lesson learned on policy development to national government through among other the following activities:
 - a. Monitor the progress, provide advice and inputs of the ongoing process of policy formulation in five regions;
 - b. Facilitate regions in developing academic paper and local policies;
 - c. Facilitate regions in the consultation meetings to MOHA and MOPW for the draft regulation of wastewater management.
 - d. Support region in writing of good practices or lesson learned on policy development
 - e. Support regional team in the monitoring of policy implementation
- Finalize template of local regulation on waste water management based on the lessons from regions and inputs from external institution, such as University of Technology Sydney.
- Identify and trials the use of Regulatory Impact Assessment (RIA) as a tool to measure effectiveness and proportionality of policy
- Identify the status of Minimum Service Standard implementation on water and sanitation sector in selected 5 districts/cities
- Support POKJA AMPL-Bappenas in the series of discussion on Minimum Service Standard of water and sanitation sector

North Sumatra Region

- Examination and signed of 5 policies development such as Mayor regulation of raw water protection regulation of Pematangsiantar and Sibolga, Mayor Regulation of CEM Tebing Tinggi and Binjai and Mayor Regulation of waste water management in Sibolga city.
- Visioning workshop in Langkat district.

WJDB Region

- Finalization of Peraturan Bupati on Pedoman Pelaksanaan Tata Kelola Sumber Daya Air in Kabupaten Serang.
- Formulation of Bupati Decree on Mobile of waste water management Kabupaten Bandung
- Formulation of Decrees on Community Based Total Sanitation in Kabupaten Serang and Kota Bogor;
- Socialization of SK Bupati Lebak on Customer Reclassification and new tariff for water from PDAM Kab Lebak.
- Draft the Mayor Decree of regular Desludging in Kota Bekasi.

Central Java Region

- Socialization to related SKPDs for the implementation of regulation on solid waste and sludge management.
- FGD with PDAM, related SKPDs, and legislative concerning the implementation of Perda No. 3/ 1999 on wastewater management.

East Java Region

- Continue to provide assistance on completion of the development of local regulations on raw water protection in Kab. Probolinggo, Kota Probolinggo and Batu.
- Continue to provide assistance to the improved quality of the implementation of regulation supported the improvement of watsan sectors in all IUWASH assisted cities.

SSEI Region

- Consultation with Pokja AMPLs to discuss draft regulations on raw water protection in Kota Parepare, Sidrap, Pinrang, and Enrekang Districts—and on wastewater management in Kota Jayapura and Kota Ambon;
- Continue support to Dinas PU in Kota Makassar in engaging the DPRD on a Perda for wastewater management.

Program CC-2: Increased Local Government Budget (APBD)

Throughout PY5, IUWASH continued across all locations to advocate for appropriate LG budget allocations for water supply and sanitation. It will continue to monitor the budget allocated under APBD 2015 for several watsan related program activities implemented by LG institutions working in the sector. By the end of PY5, IUWASH has completed data collection on LG budget allocations (APBD) in all IUWASH assisted cities, utilizing its standard approach for the collection and collation of such data. PY5 will be the final year for IUWASH to track and record LG budget allocations to the WASH sector. This involves not only a review of the year itself, but more importantly, the trend of budget allocations through comparing the baseline and end-line APBD budget. The baseline APBD budget is taken from the average of 3 years APBD budget before IUWASH started to work in the cities. While the end-line APBD budget is the average of APBD budget during IUWASH period. From the total 54 assisted cities, IUWASH is able to conduct trend analysis only for 51 assisted cities. There are 3 assisted cities (DKI Jakarta, Kota Surabaya and Kab. Jayapura) that are not included in this analysis because IUWASH does not provide full support to the LGs. Among the 51 assisted cities there are 49 assisted cities that increased the APBD budget allocation. Only 2 cities (Kota Probolinggo and Ambon) still shows trend on decreasing the budget allocation. IUWASH will

continue to observe the budget allocation in these cities. The final results of these cities will be updated in the Final Report of IUWASH.

From the APBD monitoring, this quarter, there are several stories on increasing of the local expenditures in the effort to improve the quality of water and sanitation for its community. The IUWASH assistance provided to the LG partners, resulted an increased budget on watsan sectors as follow:

- Presentation of PDAM corporate plan – PDAM Tirtanadi North Sumatera to provincial government and supervisory board has been conducted in last quarter. Initial commitment to finance part of PDAM development plan from provincial government has been obtained in the event of approximately Rp. 500 billion for 5 year development plan.
- Meeting with Bappeda P. Siantar, North Sumatera for raw water mapping study where local government will support to finance implementation of the program.
- Continued facilitating a capacity building for community group called KPP – Kelompok Pengelola dan Pemelihara - in managing and maintaining sanitation communal system in Kabupaten Gresik where the local government has allocated budget for UPTD operational cost. Also in Gresik and Probolinggo IUWASH continued to conduct promotion as AUSAID program of sAAIG for individual sanitation has been provided.
- In Kabupaten Klaten several focus group discussions during Ramadhan of July 2015 have been conducted for the agenda of CEM technical issues. The event was attended by local government represented by BAPPEDA. The commitment has been delivered that local budget of 2016 would include operational cost of CEM. IUWASH has given significant contribution to CEM development as one pilot through radio talk-show has been funded by IUWASH.
- In Kota Makassar IUWASH has conducted advocacy meeting with UPTD PAL Kota Makassar to allocate local budget in supporting operational cost for regular desludging – LLTT of year 2016 under financing scheme of Pre-financing by local budget of 2016.

The following is summary of main achievements under program CC-2 of all IUWASH regions during this year and specific activities have been done this quarter:

North Sumatra Region:

As part of the advocacy activities done by Regional Team to LG partners, IUWASH continue to promote increased budget to support the development of watsan programs to be implemented under the APBD funding. The advocacy activities are not only on assuring budget allocation for watsan program by LG institutions but also to support several collaborative programs with the provincial and central governments. During the course of the year, IUWASH continued to monitor the APBD funding for watsan sector. The data gathered from the monitoring activities will be used to analysis the commitment of the IUWASH LG partners to support the development of watsan sector.

This quarter main activities carried out under this task as follow:

- Data collection on APBD of Year 2015 funding for water supply and sanitation sectors.

WJDB Region:

IUWASH program activities PY5 under this program was in updating the APBD for fiscal year 2015 of 10 assisted cities in West Java, DKI Jakarta, and Banten provinces. From the analysis, it appeared that all assisted cities shows an increase in budget allocation for water and sanitation during the period of the IUWASH program. With this result, IUWASH will continue to monitor the trend of budget allocations in each IUWASH location in the coming period of program implementation.

This quarter main activities carried out under this task as follow:

- Conducted data collection on APBD 2015 for all IUWASH assisted cities.

Central Java Region

The key activities under this task were focused on advocating the budget allocation for the APBD 2015 and APBD 2016. This was done primarily to support the PAL UPTD Domestic and CEM program. The budget allocation is very important to ensure the sustainability of the activities and operations of both UPTD and CEM. The budget advocacy supported the development of ZUPTD PAL were carried out mainly in Kab. Batang, Sukoharjo, Rembang and Kota Salatiga while the same activities to support the CEM development were conducted in Kabupaten Batang, Sukoharjo, Klaten and Kota Semarang.

This quarter main activities carried out under this task as follow:

- Conducted series of FGD on advocacy for budget allocation of UPTD in Kab. Batang , Sukoharjo and Kota Salatiga. In all these three cities, the activities have been successfully budgeted for UPTD operational activities such as the purchase of a desludging truck in Kab. Batang as well as budget funds for operation of IPLT and support budget for desludging truck and Kota Salatiga,.
- Conducted series of FGD on advocacy for budget allocation of CEM in Kab. Klaten, Batang, Sukoharjo and Kota Semarang. CEM Kota Semarang and Kab. Batang has been succeeded to get budget in year 2015, however for Kab. Klaten and Sukoharjo is not yet succeeded because of the late in propose the SKPD related to CEM.

East Java Region

In PY5, IUWASH focused the support to have increase budget allocation in APBD to support the implementation of watsan program was conducted through the strengthening of Pokja AMPL in all IUWASH assisted cities. The supports were conducted through several activities such as workshops, training and focus group discussions on how to allocate funds for Water Supply and Sanitation program in APBD. It was also implemented by advocacy to the decision maker of the Local Governments.

This quarter main activities carried out under this task as follow:

- Facilitated FGD for LG to prepare budget for watsan sector programs.

SSEI Region

The focus of Py5 activities for IUWASH SSEI was on IUWASH participation on budgeting process of LG institutions working for watsan sector. BY end of PY5, most of assisted cities show an increase of APBD funding for Year 2016.

This quarter main activities carried out under this task as follow:

- Data collection on APBD of Year 2015 funding for water supply and sanitation sectors in all assisted cities.
- Provided support for LG partners to allocate funding under APBD to support the improvement of watsan sector this year.

Next Quarter Planned Activities

The following is summary of next quarter planned activities of Program CC-2 in the 5 IUWASH regions:

North Sumatra Region:

- Continued to support the LG institutions to plan water supply and sanitation programs including assuring the budget allocation for these programs. This program mostly for the budget and planning of the development program for Year 2016.
- Monitoring of budget commitment/allocation for Watsan/UPTD improvement in Tebing Tinggi, Binjai, Tanjungbalai, Sibolga, and Kota Medan

WJDB Region:

- Continue to support LG partners for having budget allocation for watsan sector improvement in all assisted cities.

Central Java Region

- Conduct workshop on increasing budget supported the operation of UPTD PAL Domestik in Kab. Rembang, Batang, Sukoharjo and Kota Salatiga.
- Conduct series of FGD to support budget allocation of CEM Program in Kab. Sukoharjo, Batang and Klaten.

East Java Region

- Continue to facilitate FGD for LG of Kota Probolinggo to prepare budget for watsan sector programs.

SSEI Region

- Monitoring budget allocation on watsan sectors of FY 2016 in each cities/districts.
- Collaborative activities with all cities partner to get financial support from the Central Government through Ministry of Public Works and Housing.



Program CC-3: Improved Citizen Engagement

Notable progress was registered in the development of citizen engagement mechanism (CEM). Through this year, fourteen (14) municipalities have completed the steps of CEM development and launched the use of selected CEM media, including websites, radio programs, and complaint handling units that can be used by the public to access information and communicate with government concerning public services. During the project period, IUWASH has initiated and promoted mechanisms which fit with local context to engage citizen to be more involved in the public service improvement, especially on water supply and sanitation sectors. The increase of citizen participation in the development process means to increase transparency and accountability of local government. CEM is also meant to provide access for citizen to voice their voices to their respective local governments. The support of IUWASH toward improved citizen engagement is in line with the Law No. 25 year 2009 on Public Services which mandates local government to provide information access and complaint handling system.

The development of CEM follows a series of steps that are designed to ensure strong local buy-in to the selected mechanism as well as sustainability of its use. In the final quarter of PY5, IUWASH continued CEM-related activities in 23 cities across all IUWASH regions. The table below shows the status of CEM development in each participating municipality.

No.	Region and Cities	CEM media	Remarks
I	NSRO		
1	Tanjung Balai	Website and Radio Program	Implementation
2	Labuhan Batu	Website	Implementation
3	Langkat	Radio Program	Implementation
4	Binjai	Website AMPL	Just launched
5	Tebing Tinggi	Website AMPL	Just launched
II	WJDB		
6	Kab. Bandung	Website and Radio Program	Implementation

No.	Region and Cities	CEM media	Remarks
7	Kab. Purwakarta	Website	Implementation
8	Kota Serang	Civic Forum	To be launched
9	Kota Bogor	Website	Development process
III	Central Java		
10	Kota Semarang	Complaint Handling center (Pusat Pelayanan Pengaduan Masyarakat-P3M)	Implementation
11	Sukoharjo	P3M	Development process
12	Klaten	Website and Radio Program	Implementation
13	Kudus	P3M	Development process
14	Batang	Complaint Handling Center	Improvement
IV	East Java		
15	Sidoarjo	Pusat Pelayanan Pengaduan Masyarakat	Implementation
16	Gresik	Website	To be launched
17	Mojokerto	Radio program	Implementation
18	Probolinggo	Radio program	Implementation
V	SSEI		
19	Parepare	Complaint handling unit	Implementation
20	Takalar	SMS gateway	Implementation
21	Jeneponto	SMS gateway	Implementation
22	Enrekang	SMS gateway	Implementation
23	Bantaeng	Website	Cancelled

In this quarter, the national team continued to support the process of CEM development and progress monitoring in the regions to ensure that the mechanisms are being implemented properly, and to support the formulation of CEM profile. In East Java, the IUWASH team has facilitated Kab. Mojokerto and Probolinggo in formulating radio program. A list of radio program, content, and schedule has been set up in both districts. The program content includes among others promotion aspect and government program information. To capture public interest, the radio program manager creates a program title using local language, such as “Ayo Wadul”. During the program session, public are invited to call for question or any other aspirations. This structured program will guide easily the CEM manager to implement a proper radio program. IUWASH team also prepared a documentation system, which will help monitoring of the progress.

The following is summary of main achievements under program CC-3 of all IUWASH regions during this year and specific activities have been done this quarter:

North Sumatra region:

In PY5, IUWASH NSRO team made a significant progress in this program. The team focused on completion of the CEM establishment in 5 municipalities, namely Tanjungbalai, Langkat, Labuhanbatu, Binjai and Tebing Tinggi. These partner regions selected website and radio as CEM media. By the end of PY5, IUWASH North Sumatra Team has completed the steps of CEM development in 5 cities and launched selected CEM media.



ISMAL JAMIAN /IUWASH NORTH SUMATERA

The representative of LGUs Binjai City on discussion of CEM’s SOP including distribution of their role and responsibilities.

This quarter main activities carried out under this task as follow:

- Provided training on web content development, SOPs, news writing and photography and conducted launching of CEM in Binjai and Tebing Tinggi.
- Launching CEM in Binjai and Tebing Tinggi

WJDB region:

In WJDB Region, this year, the team focused on the development of CEM in three municipalities: Purwakarta, Serang and Kota Bogor. Kab. Purwakarta and Kota Bogor selected website as CEM media, while Kab. Serang developed a civic forum consisted of multi stakeholder so called Gerakan Masyarakat Sadar Air Bersih dan Sanitasi (GEMARSI). This year, one more CEM was launched in Purwakarta.

Several main activities carried out under this task during this quarter as follows:

- Local government of Purwakarta District, represented by Asisten Sekda, launched the website of PDAM Purwakarta as CEM media, especially to engage public on water supply sector development.
- Recruit consultant to create the website of Pokja AMPL for Kota Bogor and conduct first meeting with member of Pokja AMPL to discuss the website design and contents;
- Issuance of Decree Bupati on the establishment of Civic Forum Gemarsi in Kabupaten Serang and conduct preparation meeting for the launching of GEMARSI.

Central Java Region

The focused of the implementation of CEM program in Central Java this year is supporting the mechanism operated. The mechanism developed in Kab. Klaten is radio, in Kota Semarang through complaint handling unit with multimedia, while in Kab. Batang and Sukoharjo are through the complaint handling unit. The series of workshops and FGDs conducted to support the implementation of the CEM and has been successfully implemented in Kota Semarang, Kab. Klaten and Batang. Whereas the CEM development in Kab. Sukoharjo is still in on-going process.

This quarter main activities carried out under this task as follow:

- Conducted workshop on implementation of complaint center called Unit Peningkatan Kinerja dan Pelayanan Publik (UPKP2) on the Water and Sanitation Issues in Kab. Batang. This workshop as the initial implementation of the CEM operation in Kab. Batang. UPKP2 is an independent agency established by Pemda to improve SKPD performance in public service. This institution is managed and implemented by community representatives.
- Support the implementation of CEM in Kab. Klaten through talk show on “OBROLAN AIR MINUM DAN SANITASI (ORASI)” in Radio Siaran Publik Daerah (RSPD). ORASI is managed by Bagian Humas Setda Klaten, and now ORASI has become public complaint media, as well as to get information on water and sanitation issues in Kabupaten Klaten. IUWASH was assisted ORASI for 13 episodes until August 2015. From September onwards ORASI will be fully funded by the government and PDAM.

East Java Region

East Java Region has almost completed all the steps of CEM development in 4 districts. The three partner districts have launched their CEM media, as follows:

- In Kab. Probolinggo using media Bromo FM Radio to promote watsan issues
- In Kab. Sidoarjo using Pusat Pengaduan Pembangunan Masyarakat (P3M)
- In Kab. Mojokerto using Radio WiKa FM as the CEM on watsan



IUWASH CENTRAL JAVA

Radio Talkshow on water supply and sanitation issues in Klaten district by the Bupati of Klaten district.

Kabupaten Gresik is the last district which will soon launch the website Pokja AMPL as selected CEM media.

This quarter main activities carried out under this task as follow:

- Conducted CEM Launching in Kab. Mojokerto using radio to promote watsan issue. The launching was done by the Vice Bupati of Kab. Mojokerto (Ibu Choirunnisa). The using of local media (WIKI FM radio) for the CEM is a strategic program, because it will be able to provide information directly to the public and provide feedback from the public.
- Conducted CEM socialization for the program Drinking Water and Sanitation in Tulangan Sub-District of Kab. Sidoarjo. The event was participated by 50 people from the village and community leaders. They are very interested in the media CEM for WATSAN program.
- Conducted several meetings to prepare website in Kab. Gresik as the mechanism to share information on wastewater management by the UPTD team and PU secretariat. The UPTD and secretariat teams agreed that the CEM management is under PU secretariat. UPTD agreed to allocate a special officer who renew and enter data related to domestic wastewater. The launching of its website was implemented in September 2015.

SSEI Region

During PY-5, IUWASH key support on CEM development is to encourage LG partners in improving CEM implementation in Parepare and Takalar and to facilitate the completion of CEM media in Enrekang, Jeneponto, and Bantaeng. Two more regions launched CEM media this year, namely Enrekang and Jeneponto. While the progress in Bantaeng is not yet satisfied, so IUWASH SSEI team decided to cancel its support on CEM development.



CEM commitment by bupati Enrekang.

This quarter main activities carried out under this task as follow:

- Review CEM regulation in Jeneponto
- Launching CEM in Jeneponto by Bupati. IUWASH provided sticker (1,000 sheets) and banners (20 sheets) as promotion materials,
- Prepared the implementation of complaint mechanism in Kab. Enrekang

Next Quarter Planned Activities

The following is summary of next quarter planned activities of Program CC-3 in the 5 IUWASH regions:

National Team:

- Monitor the progress of CEM development and implementation in the regions
- Support Regional Team in preparing and implement CEM launching in Gresik and Serang;
- Support regions in the formulation of CEM profiles
- FGD on lesson learned of CEM implementation at province level

North Sumatra Region

- Monitoring and mentoring of CEM functioning in Langkat, Labuhanbatu, Tanjungbalai, Binjai and Tebing Tinggi including finalization of all of CEM profiles from all IUWASH cities.

WJDB Region

- Socialization and implementation of the CEM in Kabupaten Serang (Gemarsi)

- Finalization and launching of the Website for clean water and sanitation in Kota Bogor
- Monitoring the operation of the CEM activities in Kabupaten Bandung, Kabupaten Purwakarta, Kota Bogor and Kabupaten Serang.

Central Java region

- Launching and implementation of Pengelolaan Pengaduan Masyarakat in Kab. Sukoharjo.
- Conduct workshop on best practices on CEM implementation in 4 cities/ districts (Kota Semarang, Kab. Batang, Klaten and Sukoharjo).
- Conduct training on strengthening the CEM in 4 cities (Kota Semarang, Kab. Batang, Klaten and Sukoharjo).

East Java Region

- Continue to support the implementation of CEM program for the construction of water supply and sanitation, especially domestic waste water in 4 districts such as Kab. Sidoarjo, Probolinggo, Mojokerto and Gresik.
- To assist website development on domestic wastewater management in Gresik through series of activities such as training, launching, and direct technical assistant.

SSEI Region

- Monitoring and evaluation the implementation of CEM regulation

Program CC-4: Gender Mainstreaming

The implementation of the IUWASH Gender Mainstreaming Program this year focused on the implementation of three key programs, including; 1) implementation of gender pilot program; 2) implementation of the Planning and Budgeting Responsive Gender (PPRG); 3) PKK involvement in supporting sanitation program. Besides these three key programs, IUWASH continued to provide support on capacity building for IUWASH partners to increase their awareness of gender issues. This type of capacity building involved separate activities or was integrated into other capacity building activities. Starting in the third quarter of PY5, IUWASH hired two STTAs to provide support on development of IUWASH Gender publication. This was in view of capturing the project's experience to date and developing materials to relate the project's overall work in gender mainstreaming. The gender publication will cover lessons learned from the three key programs above, plus documentation of IUWASH Gender assessment process and development of a manual on gender training in watsan sector. At the national level, IUWASH continued to work closely with the Ministry of Women Empowerment and Protection of Child's Rights and Ministry of Public Work to strengthen the planning and budgeting process for IUWASH LG partners in terms of gender-sensitive programming in water supply and sanitation program activities.

At the regional level, and largely through the IUWASH Gender Working Group (GWG), the project continued to work with LG partners to implement the above programs and other necessary support as requested by LG partners. The key focus of the gender mainstreaming program at regional level is different from one to another. Below are detailed regional highlights during PY5:

- **North Sumatra Region:** The implementation and facilitation of gender mainstreaming program in North Sumatra Province was focused on two program implemented in Tebing Tinggi and Medan (Belawan area). In Kota Tebing Tinggi, IUWASH provided support to strengthen the LG institutions on integrating gender in their budget and planning process through the PPRG strategy (Perencanaan dan Penganggaran Responsive Gender). IUWASH facilitated for having gender focal points in each LG institutions of Kota Tebing Tinggi. All the watsan related institution will have gender analysis for several program activities.

- **WJDB Region:** The key activities of the Gender Mainstreaming Program of WJDB Region for PY5 focused on finalizing implementation of IUWASH gender pilot programs. This program is integrated with the sanitation microfinance program implemented by the cooperative unit KPP UMKM Syariah in Kab. Tangerang. IUWASH conducted series of capacity building for KPP staff (starting from Director, Managers, Head of Cooperative Branches up to the field staff), SME personnel and directly the beneficiaries on several gender aspect that integrated in the program activities. As part of this program is promoting gender responsive design for the individual sanitation facility. IUWASH also supported the Local Government of Kab. Serang in budget planning that is responsive to gender issues as they called “*Perencanaan Penganggaran Responsif Gender*” (PPRG)-, for water and sanitation. Later on, the PPRG will be integrated to the development of RAD (*Rencana Aksi Daerah*). In all respect, WJDB is integrating all gender aspect in any IUWASH activities.
- **Central Java Region:** The implementation of gender mainstreaming activities in Central Java region was accomplished through several activities such as implementation of Gender pilot program in Kota Surakarta, continuation of gender awareness building for IUWASH partners and integrating gender aspect in the development of individual and communal sanitation program. The gender pilot program was focused on is integrating gender aspect to the program on strengthening of CBO manage the communal sanitation system. The program was conducted in KPP Sidodadi Kelurahan Karangasem Kecamatan Laweyan Kota Surakarta. The activities implemented were socialization workshop, series of FGDs, field observation, and cross visit to KPP in Kab. Klaten. After these all activities have been implemented, the community members continued to conduct community actions on flushing together as part of the maintenance strategy of the system. The gender pilot program was participated by 25 participants (men and women). The to-date result of the program is increasing equal participation of women in maintenance and managing of the sanitation system. They plan to improve the women participation in the CBO committees so women will involve more in decision making process.
- **East Java Region:** Programs on Gender Mainstreaming in East Java Region in PY5 focused on implementation of Budgeting and Planning that responsive Gender (*Perencanaan dan Penganggaran Responsif Gender/PPRG*) in Kab. Malang and Kab. Jombang. In Kab. Malang, IUWASH has facilitated such activities since PY4, and in the last quarter of PY5, IUWASH provided assistance to the LG of Kab. Malang to conduct a “gender audit” of their programs to review progress and issues encountered. In Kab. Jombang, implementation of PPRG was initiated through several related trainings and, at the end of PY5, was in the stage of review of the Gender Budget Statement. Besides this program, IUWASH East Java Team also implemented the pilot gender program on development of Master Meter in Greges Barat Dalam of Kota Surabaya. The program is integrated in the Grant Program implemented by Farabi.
- **SSEI Region:** This year, IUWASH SSEI Region focused the support on Gender Mainstreaming program in 2 areas such as strengthening of LG planning and budgeting that follow PPRG approach and implementation of pilot gender program. For the PPRG, IUWASH conducted several workshops, trainings, surveys, and monitoring & evaluation of



IUWASH EAST JAVA

PPRG Training for the LG staff in Kab. Jombang.



SUHARTINI/IUWASH SSEI

Direct technical assistant for LG partners of Kab. Maros on development of GAP, GBS and TOR.

the PPRG with SKPDs of Kab Maros. The results on the PPRG are: a) emerging the PPRG facilitators from SKPD Drivers, b) encourage the acceleration of draft regulations of integrated planning and budgeting, c) collaboration between SKPD Drivers and Technical in the preparation of gender-based activities for allocation budget - PY 2016. The implementation of pilot gender program is integrated in the development of PDAM Communication Forum (FKP). Series of gender related activities have been conducted as part of the implementation of FKP in Kab. Maros. The end of PY5, the FKP Maros is ready to present their survey results to PDAM that brings several concerns from the PDAM customers. These concerns will integrate some gender issues.

Detailed progresses of the IUWASH Gender Mainstreaming Program for this quarter at national and regional levels are described in the following table below. The progresses are divided into four parts such as 1) Pilot Gender Mainstreaming; 2) PKK Involvement in Sanitation Program; 3) Program on Gender Responsive Planning and Budgeting (PPRG) and 4) General Gender Mainstreaming Program.

<i>Pilot Gender Mainstreaming</i>			
Region	City	Program/ Partners	Summary of Achievement
North Sumatra	Medan	Individual sanitation facility through bio-filter septic tank (Public Work Office)	<ul style="list-style-type: none"> Re-formation of the CBO will manage the water supply and sanitation for Belawan area, including the CBOs established by ESP Program for water supply that will be expanded to manage the sanitation system. Conduct FGD on cost calculation to determine the desludging cost Conduct survey on scheduling of regular desludging program
West Java/DKI Jakarta/ Banten	Kab. Tangerang	Individual sanitation facility through microfinance for sanitation (KPP UMKM Syariah /Cooperative)	Conducted series of workshops and FGDs to evaluate this pilot program. The evaluation process was started by a workshop and it followed by several FGDs with KPP director and managers, KPP head of 19 branches, KPP contractor partners and depth interview with beneficiaries of the microfinance program for sanitation. IUWASH used the opportunity of the evaluation processes for the data collection of the writing on publication of lessons learned of this program. This data collection was conducted by two Gender STTAs.
Central Java	Surakarta	Individual sanitation facility	<ul style="list-style-type: none"> Continue to facilitate the regular weekly meeting with the community members who are connected with the communal sanitation system. The FGDs discussed several technical topics focusing on understanding the work of the system, action needed on operation and maintenance of the system and follow up actions after the field observation. Conducted cross visit of the community members in the pilot site to the communal sanitation system (IPAL Komunal) managed by KPP Berantas in Karanglo village of Klaten Selatan sub-district of Klaten district. In this cross visit the community learned on the task assignment on operation and maintenance of the system. After the cross visit, the community members develop action plans to review and strengthen their activities on maintenance of the communal system.
East Java	Surabaya	Master Meter Program (PDAM/NGO)	Assuring the gender integration aspect in the Grant Program report developed by IUWASH grantee (Farabi) on Master Meter Program
South Sulawesi/ Eastern Indonesia	Maros	PDAM Customer Forum (PDAM)	Continued to provide support to the members of PDAM Customer Forum on the implementation of regular monitoring on customer problems and on conducting household survey on gender role to support the water availability at household level and its problems face by customer to assure water availability in their house. During this quarter, IUWASH facilitated training on data analysis of the household survey as well as the data on regular monitoring. After this training, FKP members presented the results of gender survey and regular monitoring to the PDAM Management. The President Director of PDAM Kab. Maros attended the presentation and give comments to the survey results. PDAM management agreed to provide continuation support to FKP after IUWASH closed.

PKK Involvement in supporting Sanitation Program				
Region	City	Program/ Partners	Summary of Achievement	
WJDB	DKI Jakarta	Development of septage management Program (PD PAL Jakarta and PKK Kelurahan Rawamangun, Kemanggisian and Pademangan)	<ul style="list-style-type: none"> Conducted census of the potential customers and started to conduct promotion of regular desludging program in Kelurahan Rawamangun, Kemanggisian, and Pademangan. Training of PKK cadre of Kelurahan Pademangan become enumerators of survey for potential customer of regular desludging and conducted its survey. The survey will also identify the marketing model for expansion of individual septic tank program. Sharing workshop on promotion of improved sanitation facilities for urban communities among PKK members of Kelurahan Rawamangun, Kemanggisian, and Pademangan. While in Kelurahan Kalideres IUWASH and PD PAL already had initial discussions with the Lurah and the PKK. All parties have agreed to start the program in Kalideres, and are making preparations for the signing of the MOU. 	
	Kab. Bandung	Sanitation Microfinance (District Health Office, PT. BPR Kerta Raharja and PKK Kab. Bandung)	IUWASH facilitated gender awareness training and gender aspect integration in all sanitation development to sanitarians, DinKes, Dispertasih, Dinas PP, KWS, PKK and representative s from PT BPR Kertaraharja.	
Program on Gender Responsive Planning and Budgeting (PPRG)				
Region	City	Progress of Achievement		
North Sumatra	Tebing Tinggi	Conducted capacity building of LG institutions gender focal points in monitoring and evaluation of PPRG in their institutions.		
East Java	Kab. Malang	The support of IUWASH Team to the PPRG Program in East Java this quarter focused in Kab. Jombang. The event has been held was a workshop on review GBS. The event goal was to improve the quality of GBS has been prepared by SKPD. There are 24 GBS documents have been reviewed and improved.		
South Sulawesi/ Eastern Indonesia	Kab. Maros	Conducted FGDs in finalizing GAP, GBS and SOW for Year 2016 of SKPD Drivers and Technical of Maros district. IUWASH works together with Badan Pemberdayaan Perempuan dan Perlindungan Anak of South Sulawesi province to provide direct support to the LG institutions of Maros district to prepare planning and budgeting documents that based on gender analysis.		
General Gender Mainstreaming Program				
Region	City	Activity	Integrated Program	Results
National	N/A	Gender Working Group (GWG) Coordination Meeting	Water Supply and Sanitation Sector	The GWG Meeting aimed to review and evaluate the implementation of IUWASH gender Mainstreaming in all 5 regions and develop follow up plans for the following quarter. In this meeting, it will also a pre-workplanning session for GWG members.
North Sumatra	Kota Tebing Tinggi	Support Ministry of Women Empowerment and Child's Rights Protection on development of manual on watsan sector	Water Supply and Sanitation Sector	Supported the Ministry of Women Empowerment and Child Rights protection (Kementerian Pemberdayaan Perempuan dan Perlindungan Anak) to prepare the guideline on Gender mainstreaming in Water Supply and Sanitation programs. The manual will be accompanied by a case study taken from the experiences of IUWASH supported program in Kota Tebing Tinggi. This manual will be used for further gender mainstreaming program in watsan sector for other LG units working in water supply and sanitation sectors.
WJDB	Kab Serang	Gender workshop to support the development of RAD (Rencana Aksi Daerah)	Water Supply and Sanitation Sector	IUWASH facilitates a discussion on budget planning that is responsive to gender issues of which was attended by the respective SKPD and POKJA AMPL of Kab. Serang.

Region	City	Activity	Integrated Program	Results
Central Java	Kab. Klaten	Capacity Building for the KPP committee members on improved hygiene behavior and gender integration	Sanitation Sector	Training on integration of improved hygiene behavior and gender integration for the committee and members of KPP Berantas of Karanglo village of Klaten Selatan. This capacity building was expected to support the continuation promotion of improved hygiene behavior by KPP to all customer of communal IPAL. This promotional activity will be part of regular operation and maintenance activities by the KPP
East Java	Kota Malang and Kab. Malang	Continuation of facilitating the gender session inserted in the training for CBO of Communal Sanitation Facility	Sanitation Sector	<ul style="list-style-type: none"> The gender session was part of the training on strengthening of CBO who will manage the communal sanitation facility constructed by USRI. The gender aspect integrated in the training focused in the aspect of operation of CBO and maintenance of the facility.

The activities planned for next quarter as follows:

National:

- MOU signing with Kelurahan and PKK Kalideres;
- Enumerators training for PKK Kalideres;
- Promotion training for PKK of 4 Kelurahan;
- Development of speed drawing media will be used for materials of gender awareness training;
- Conduct National Workshop on Planning and Budgeting Responsive Gender (PPRG).

North Sumatra Region:

- Monitoring and mentoring of gender mainstreaming program through PPRG implemented by LGUs in Kota Tebing Tinggi;
- Continue to support the implementation and documentation of Gender Pilot Program activities in Belawan Medan.

West Java, DKI Jakarta and Banten Region:

- An internal workshop will be held to document all results, conclusion and recommendation made during the workshop on gender aspect integration of all sanitation program conducted by KPP UMKM Syariah in Kab. Tangerang.;
- The second phase workshop to discuss the findings and conclusion from the above internal workshop to external audience such as the local government, SKPD, PPPA and other respective partners;
- Supervise and monitor the implementation of gender aspects integration in all sanitation program using microfinance schemes.

Central Java Region:

- Development of action plan on promoting hygiene behavior supported operation and maintenance of communal sanitation system in KPP Karanglo of Kabupaten Klaten. In this activity will also include the gender aspect of the program activities;
- Conduct sharing lessons learned workshop on the results of gender pilot program in KPP Sidodadi Kelurahan Karangasem Kecamatan laweyan Kota Surakarta.

East Java Region:

- Provide technical assistance to the Local Government of Kab. Malang and Jombang on preparation of Gender Responsive Budget (GRB) specifically in water and sanitation sector program. The assistance will be followed up with GRB review;
- Technical Assistance on Gender Mainstreaming for Gender Working Group of Kab. Mojokerto;
- Evaluation of gender pilot program in Master Meter Program in Kota Surabaya.

South Sulawesi and Eastern Indonesia Region:

- Conduct FGD in finalizing GAP, GBS dan TOR for Year 2016 of SKPD Drivers and Technical of Maros district;
- Training on PPRG Monitoring and Evaluation of Maros district.

Program CC-5: Mobilizing CSR Funding

In PY5, IUWASH continued to implement activities to mobilizing CSR funding through two key strategies which are 1) strengthening of CSR Forum and 2) Partnership with the Coca-Cola Foundation Indonesia (CCFI) on the Water Replenishment Program. In the last quarter of PY5, USAID Indonesia facilitate a meeting between IUWASH and the Nestle Indonesia (under Creating Shared Value (CSV) Department) to introduce the IUWASH program on raw water protection. This introduction meeting was seeking a potential partnership between SCV Nestle and IUWASH in Kab. Probolinggo as there are significant SCV Netsle beneficiaries in this district. An initial site visit has been conducted to Kab. Probolinggo last quarter. After the site visit, the SCV Nestle is agreed to construct 100 infiltration ponds in Krucil village of Kab. Probolinggo. For SCV Nestle, it will give additional value for their beneficiaries on the improvement of water resources in this village. For IUWASH this program will contribute to improve the availability of raw water source will be used by the community people. In overall, these CSR Programs implemented by IUWASH Partners and CSR Forum aimed to support the improvement of water supply and sanitation sectors especially in the development of strong future sustainability of the watsan related program. Specifically for the Water Replenishment program, it will support the implementation of IUWASH Climate Change Adaptation Plan.

Partnership IUWASH with CCFI on Water Replenishment Program through Construction of Infiltration Ponds (Sumur Resapan)

IUWASH continued strong collaboration with Coca-Cola Foundation Indonesia (CCFI) through support of infiltration pond development as this type of activity is highly consistent with Coca-Cola's Water Replenishment program which seeks to "give back" as much water as they use in their production processes. This year, the partnership was marked by several important events, including one marking the construction of 920 infiltration ponds in Kab. Semarang and Kota Salatiga and another for the launch of a new program implemented in Kab. Malang. The implementation of the program in Kab. Semarang and Kota Salatiga was conducted by SPPQT/NGO and give a positive impact to the improvement of raw water resources in this area. As mentioned by Ibu Puji Rahayu, Head of Patemon village of Kab. Semarang, "People in my village have enough water during dry season this year. Hope this because of having at least 240 infiltration ponds constructed under this Program. Usually in end of July they already ask PDAM to send water truck to fulfill their water need but this time up to end of August we still have enough water for our daily life." This impact happened also because of their other effort to continue this program through the development of village regulation on protection of water resources in their village. The Village Government also developed an annual plan to construct additional infiltration ponds funded by the village development budget as well as through community members own efforts. In Malang, the Water Replenishment Program continued in the construction phase in Ngajum and Lawang sub-districts. The program in Malang is implemented by YBUL, a local NGO. It is expected tha the program will be completed in the following quarter.

Through this quarter, IUWASH and CCFI have been completed the construction of 3,403 infiltration ponds in North Sumatra, Central Java and East Java, including 210 infiltration ponds constructed by IUWASH. This total number of infiltration ponds constructed can be divided to:

- 473 infiltration ponds constructed in Sibolga area (North Sumatra)
- 291 infiltration ponds constructed in Kota Pematang Siantar, North Sumatra (241 ponds by CCFI and 50 ponds by IUWASH)
- 900 infiltration ponds constructed in Kab. Mojokerto, East Java
- 1,080 infiltration ponds constructed in Kab. Semarang, Kota Salatiga and Kab. Batang (Central Java). This figure consists of 920 ponds constructed by CCFI in Kab. Semarang and Kota Salatiga and 160 ponds constructed by IUWASH in Kab. Batang.
- 584 infiltration ponds constructed in Kab. Malang (Northern and Southern Malang areas), East Java (still on-going process to reach the total target of 800 infiltration ponds next quarter).
- 75 infiltration ponds constructed in Kota Batu and Kab. Probolinggo (East Java), funded by IUWASH. This construction is aimed to give example for other partners to replicate the program in order to support the raw water protection. The replication will be promoted to the LG partner of through the CSR Forum.

Beside the construction of the infiltration ponds, IUWASH continued to provide technical support to PDAM Medan, Pematang Siantar, Kab Mojokerto, Kab. Semarang and Kota Salatiga on maintaining of the ponds so it will effectively support the PDAMs to reduce raw water shortage, which will enable them to maintain/increase service coverage, especially to poor households. Specifically for PDAM Kab. Malang, IUWASH together with YBUL start to coordinate on advocating the support on maintenance of the ponds after all ponds have been constructed in this area.

To support another CCFI Water Replenishment Program implemented in outside IUWASH assisted cities, last quarter IUWASH conducted assessment to determine the cathment area of selected spring in Kab. Magelang (Kaliangkrik spring) as for the new location of the Program. This new program will be also implemented by SPPQT/NGO who already received strong assistance from IUWASH so they already build strong capacity to implement the same program in another site. IUWASH is aged to provide limited support to this program based on the need of the NGO to implement this program.

Detailed activities done this quarter are described below.

National:

- Conducted regular coordination meeting to evaluate the progress of the Water Replenishment Program implemented in Kabupaten Malang;
- Conducted joint monitoring visit with the CCFI to Kabupaten Malang to evaluate the progress on construction of infiltration ponds in Lawang and Ngajum;
- Support the visit of Chuck Cooper, the Assistant to the USAID Administrator and Barbara Feinstein, the Deputy Assistant Administrator of Legislative Affair to Kab. Mojokerto to visit the infiltration ponds and discuss with stakeholder on the benefit of the program.

East Java Region:

- Construction of infiltration ponds in Ngajum and Lawang sub-districts of Kab. Malang by YBUL. Through this quarter a total of 584 infiltration ponds have been constructed in these areas;
- Continued to determine the location of infiltration ponds will be constructed by YBUL Team to complete of a total 800 infiltration ponds targeted. The determination of the site was implemented by IUWASH PLCCs of Kab. Malang and YBUL field team;
- Continued to verify the constructed infiltration ponds in Lawang and Ngajum areas by IUWASH PLCC.

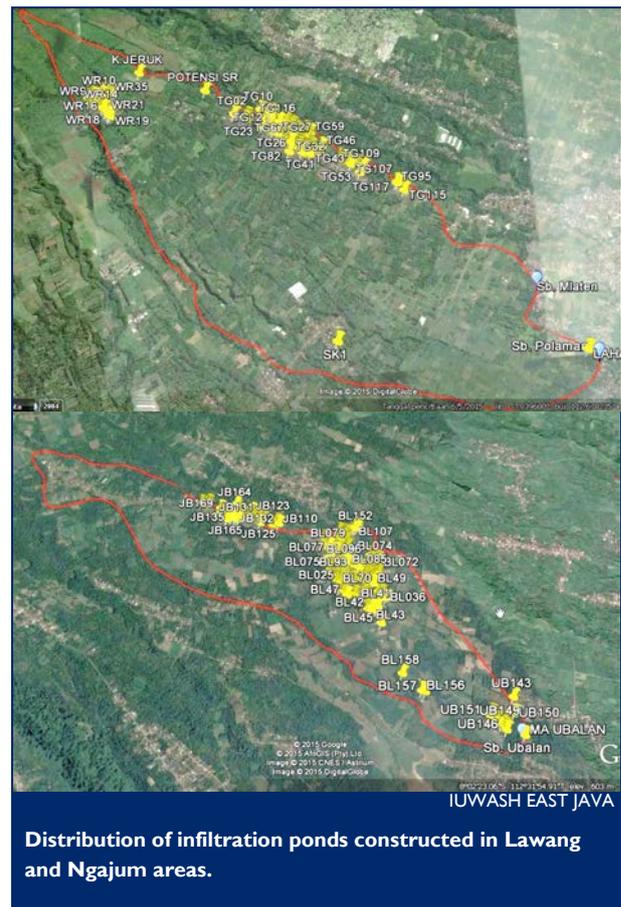


PROGRAM MENABUNG AIR HUJAN MELALUI SUMUR RESAPAN
VERIFIKASI SUMUR RESAPAN MALANG UTARA

No Urut :	Kode/ID SR :	Desa :	Tegalrejo	Pemilik Lahan :	Koordinat (°)
015	TG.060	RT/RW	02 07	Poninten	-7,82453 112.66260
Volume galian (m ³)		Volume batu (m ³)		Volume SR m ³	
A1 = 1,45		A2 = 6,80		A3 = 0	
P	L	T	P	L	T
2,20	2,20	0,30	2	1,7	0
Tutup Sumur Resapan		Inlet		Outlet	
Plat penutup beton		Lubang kontrol/manhole		Bersfungsi	
Standar	Rusak ringan	Rusak berat	Bisa terbuka	Belum bisa dibuka	Terpendam
x			x		
Filterisasi		Tutup manhole		Bersfungsi	
Media Kerikil dan Ijuk		Standar		Rusak berat	
Ada	x	Tidak ada	x		
Surat pernyataan perawatan SR		Kerbersihan serta kerapian lokasi		Ada	
Ada	x	Belum ada	x	Bersih	Sedang
FOTO 100%		Catatan Verifikasi :		Verifikator :	
		<ul style="list-style-type: none"> - Pada dasarnya Sumur Resapan sudah dapat berfungsi dengan baik - Perlu adanya urugan tanah menutup pinggiran plat penutup Sumur Resapan yang diharapkan sebagai pelindung terhadap benturan sudut sisi plat beton 		Disaksikan :	
				Humala Sidabutar	
				YBUL	
				Tri Winarni	

IUWASH EAST JAVA

Verification form used by IUWASH PLCC to assure the quality of the infiltration ponds constructed in Lawang and Ngajum areas.



Strengthening of CSR Forum

Based on the result of CSR forum assessment IUWASH continued to implement the program on strengthening of CSR forum during PY5 in 6 cities of 4 regions such as Kab. Tangerang, Serang, Batang, Probolinggo, Jombang and Kota Jayapura. The strengthening of CSR forum program has conducted through several activities, including: mapping, capacity building, intermediation, communication and building the system and other specific activities based on the needs of the forums. During this year, there are several significant achievements under this program. First key achievement is establishment of CSR Forum in Kota Jayapura. This establishment is supported by a SK Walikota. This CSR Forum is now active to support the sanitation program. IUWASH also encourages CSR forum in Kab. Tangerang and Batang to involve more companies in the management of day-to-day activities of CSR forum. As part of support to these forums, IUWASH facilitate partnership development between CSR Forum Kab. Tangerang and PT BJB to support the development of microfinance for sanitation program in Kab. Tangerang. Currently, IUWASH is facilitating the forum to develop partnership with Pundi Amal SCTV to support other sanitation program in Kab. Tangerang. In Kab. Batang, the CSR Forum constructed 20 units of individual latrines and planting 6.500 trees in Bismo Spring and Watulumbang Spring catchment areas. This support was provided by 8 companies such as PDAM, Bapera, RSUD, Primatex, BPR BKK Batang, Bulog, BRI Batang. In Serang district, PT. Modern Land, PDAM and BLHD will start to implement the 41 infiltration ponds construction in Sukacai Village.

There are several lessons learned under this program during this year such as, many people believe that one CSR Gathering or similar activities that brings together private sectors and the government, is a powerful way to communicate government programs that are not funded by local and national budgets (APBD/APBN), and then in one meeting (gathering) government programs will get the support of the private sectors through CSR funding. In fact, it is not as simple as that. There are many variables which

enable strong partnership between government and private sector. If the development and management of CSR Forum is done improper, it can often even be counter-productive to the expected partnership. Involvement and openness of companies, governments and communities, in the establishment and management of a CSR forum in the city is very important. The CSR Forum need to be a 'home' for the company, so there is trust and confidence of the company to allocate funds for the development of society through the CSR forum. In another hand, the government should also appear as an important partner for the forum, so it will be possible (in accordance with the legislation) to support forums budget funds for both daily operational funds as well as activities support. Also the general public can be an important part of CSR forum with the ability to explore and articulate priority needs and write it into proposals to be financing through the CSR forum.

Below are the detailed progress made for this quarter at national and regional level:

National:

- Finalization the Storyboard of CSR Forum lesson learn video and assist PT. Sangkala Picture (IUWASH vendor) to get footages to selected resources such as BAPPENAS, CSR Forum Staff from Tangerang, Batang, Probolinggo and CFCD of Banten Province.
- Developed the concept of CSR National Workshop and explore the possibility of Pundi Amal SCTV to support the implementation of the workshop and media coverage by SCTV.
- Participated in the national workshop on funding alternative of water and sanitation program by PPSP and AMPL BAPPENAS (as one of speaker).

West Java, DKI Jakarta and Banten Region:

- The Infiltration Ponds Program by CSR Forum of Serang district has received support from PT. Modern Land Industry (5 infiltration ponds). Besides that, PDAM will also construct 2 infiltration ponds and the Office of Environment plans to construct 20 infiltration ponds. The expert staff of Bupati Serang who is the advisor of CSR forum Kab. Serang are facilitating 5 other companies to also construct the infiltration ponds in Kab. Serang;
- Prepare the training on construction of infiltration pond for IUWASH partners in Kab. Serang. The training was participated by CSR forum, local government and private sector staff;
- Assist the CSR Forum Kab. Tangerang to lobby to Bupati to reform the CSR forum management. This reform will focus on more involvement of the companies to the CSR forum management and gain more trust;
- Develop partnership program supported sanitation credit with Pundi Amal SCTV and exploring the new partnership of the same program with CSR of PT. Indosiar;
- Assist PT. Sangkala Picture to conduct the field shooting of CSR Forum activities in Tangerang and Kab. Cilegon;
- Facilitated the horizontal learning or visits to Cilegon Corporates Social Responsibility (CCSR) to support the advocacy activity on reform of management of CSR Forum Kabupaten Tangerang.

Central Java Region:

- Support the launch of village regulation on climate change adaptation action and protection of the water resources in Kab. Batang. The regulation focuses on the role of community and CSR resources;
- Conducted discussion on success story of community engagement on the CSR Forum activities in Batang District;
- Assisted the PT. Sangkala Picture to conduct the field shooting with head of CSR Forum, PT. Primatex, local champion and community in Bismo Village;
- Conducted evaluation of the implementation of CSR programs together with the CSR Forum to determine the outcomes and impact of the program at the community level.
- Conducted dissemination workshop of the CSR program with the topic "Involvement of CSR Program in Development of Water Supply and Sanitation Sectors"

- Conducted coordination meetings with the Executive Board and the Secretariat of the CSR Forum as part of IUWASH routine assistance. Especially about compliance the several aspects of CSR forum sustainability: the operational budgeting, increasing the corporate involvement, media development, etc.

East Java Region:

- Conducted the interview and shooting with Pak Bambang from PAITON Group and also a secretary of CSR Forum of Kab. Probolinggo, as a part of resources person on CSR forum video making.
- Strengthening the CSR Forum of Kab. Jombang and Probolinggo through meeting and workshops

South Sulawesi and Eastern Indonesia Region:

- Continued to support and review the proposal development of WATSAN piloting program for funding collaboration by company members of CSR Forum.
- Conducted a small discussion with the members of CSR forum about develop CSR Program & Finalization Proposals CSR forum of Jayapura City. From this meeting, the CSR Forum has produced a final proposal and action plan for preparation of launching CSR forum.
- Conducted meeting on Final Evaluation Results of Proposals from CSR Forum (including corporate collection logo of the private companies for branding fecal truck).



In the next quarter, the implementation of activities under the CC-5 Program as follows:

Partnership IUWASH with CCFI on Water Replenishment Program through Construction of Infiltration Ponds (Sumur Resapan):

National:

- Conduct regular coordination meeting with CCFI and YBUL to update the progress of the implementation of the Water Replenishment Program;
- Conduct joint field monitoring to Kab. Malang to evaluate the implementation of the program activities;

Central Java Region:

- Conduct training for SPPQT team members on the delineation of the catchment area as the capacity building of the NGO staff to replicate other Water Replenishment Program in the future.

East Java Region:

- Continue to determine remaining locations of construction of infiltration ponds in Kab Malang (Ngajum and Lawang areas);
- Facilitate the construction of Infiltration ponds in Kab. Malang (Lawang and Ngajum areas).
- Conduct verification of the constructed infiltration ponds by IUWASH PLCCs to assure the quality of the constructed ponds that meet the criteria set.
- Develop plan on inauguration of the program.

Strengthening of CSR Forum

National:

- Continuing facilitation to PO consultant (PT. Sangkala Picture) in finalization the video making of CSR forum lesson learn

- Develop the booklets “Steps to steps of CSR Forum Capacity Building program in order to Support Water and Sanitation Program” and “Menu of water and sanitation program which can support by CSR” as advocacy tools to encourage that the program strategy can adopted and dissemination by local and national government.

West Java, DKI Jakarta and Banten Region:

- Continue to support the partnership program implementation of the infiltration wells construction cooperation between local government, CSR forum and corporate in Sukacai Village – Serang District.
- Facilitate CSR Forum Kab. Tangerang on advocacy to change the regent regulation about CSR forum management to encourage more corporate in CSR forum management structure.
- Facilitate training on proposal development for local partners of CSR Forum Kab. Tangerang to encourage the Watsan partners program implementation through the CSR Forum Tangerang.
- Encourage CSR forum to have agreed schedule of regular meeting between management and members of CSR forum;
- Support the CSR forum to develop the CSR forum media communication;
- Conduct team building of CSR forum management and members in effort to encourage cohesiveness and partnership program between the CSR forum members;
- Development of MOU among IUWASH, SCTV, DIM (IUWASH grantee) and KSM to implement sanitation program on microfinance for sanitation implemented by DIM and funded partially through the CSR program from SCTV “Pundi Amal” (Grant funding). SCTV will provide Rp. 72,500,000 for the sanitation program as seed money to implement the program.

Central Java Region:

- Continue to support CSR Forum Kab. Batang in assisting the local partners to encourage more partnership for watsan program through CSR Forum
- Conduct discussion with the members of CSR Forum Kab. Batang to ensure the existence of daily management and the operational budget of CSR forum
- Encourage CSR Forum Kab. Batang to have agreed schedule of regular meeting between management and members of CSR forum;
- Support the CSR Forum to develop the CSR forum media communication
- Conduct advocacy on the involvement of the private sectors in the development of clean water and sanitation sectors through lobbying the companies in Kab. Batang and to encourage village government to have collaborative program with the CSR forum.

East Java Region:

- Continue facilitate Strengthening CSR Forum for Kab Probolinggo and Kab Jombang.

South Sulawesi and Eastern Indonesia Region:

- Continue to support the CSR Forum Kota Jayapura to ensure their support to local companies in the procurement of sludge truck project proposal
- Assist the CSR Forum to conduct the Gala Diner as the lobbying activity to increase the corporates involvement and support to CSR Forum.
- Conduct discussion with the members of CSR Forum to ensure the existence of daily management and the operational budget of CSR Forum
- Encourage CSR Forum Kab. Batang to have agreed schedule of regular meeting between management and members of CSR forum;
- Conduct monitoring and evaluation of the implementation of regulation on illegal connection in Jayapura.
- Launching of CSR forum in Kota Jayapura.
- Continue the monitoring program and lesson learned of CSR forum in Kota Jayapura.

Section 3.5

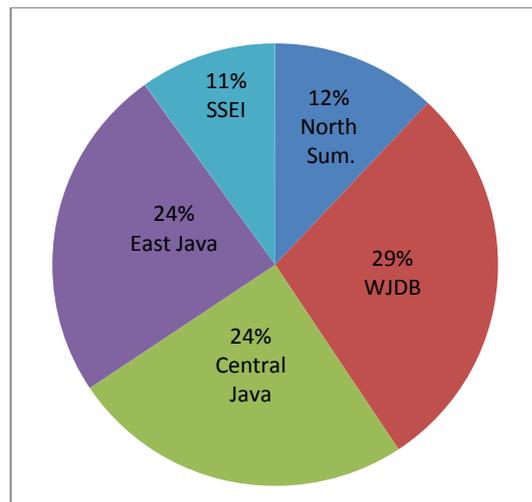
GRANTS PROGRAM

The total value of the Grants Under Contract (GUC) activity of IUWASH is \$2.0 million over five years. The IUWASH Grants Program is implemented in accordance with all applicable USAID rules and regulations as stipulated in ADS 303 and 22 CFR 226, and the guidelines described in the USAID-approved IUWASH Grants Program Manual and Grants Implementation Plan. The Grants Manual includes: an overview of the Grants Program; with a review of the types of grants that can be issued; grantee eligibility requirements; the grant award process; grant evaluation and selection procedures; details on grant program administration; and information on processes related to grant termination, suspension and modification. Compliance with all related regulations and procedures is ensured by a national-level Grant Manager together with Procurement and Grant Assistants posted in all regional offices.

While the grant program is important in and of itself, IUWASH is careful to ensure that grant activities contribute directly to the project’s targeted outcomes, are innovative and unique, and can be replicated or scaled up by communities, the local government or interested private sector partners. IUWASH is also careful to ensure that there is an appropriate geographic distribution of grant funds, as well as adequate balance among the types of activities being supported (see charts below). That having been said, it is noteworthy that the majority of grant funds have been directed to sanitation-related activities. This is due to both high demand from local government partners for assistance in sanitation programming, as well as the nature of many sanitation programs which are often community-based and, hence, more appropriate for involvement by local NGOs as grantees.

Grant Support by Sector

Grant Support by Region



During the course of the reporting period, the Grants Program was focused on monitoring, trouble-shooting and close-out of existing grants. The status of all grant activities at the end of the Quarter is shown in the table below.

In providing grant funding, it should be noted that IUWASH also provides capacity building to grantees. IUWASH understands that the implementation of USAID grant programs can be quite complex and adherence to related rules and regulations can prove difficult unless properly supported and monitored. To ensure that selected grantees receive the support required, IUWASH provides the grantee’s Financial Officer and associated staff with appropriate training through the IUWASH regional office staff, in

particular the Regional Financial Officer and Grants/Procurement Assistant. Assigned technical specialists will likewise provide day-to-day monitoring to ensure that any issues arising are identified and addressed promptly. Capacity building for grantees also includes training in monitoring and evaluation to report on the contributed outcomes. In addition, since gender is an important issue in the water and sanitation sector, IUWASH also provides gender training so that each grantee will have the same strategy and perspective on gender mainstreaming in its program activities. Lastly, since environmental compliance is also important to ensure that the project does not have an adverse impact on the environment, this subject is also included in the training programs for grantees.

Status of IUWASH Grants Program

Description	Grantee	Total Grant	Amount Disbursed	Amount Remaining	Status
North Sumatra					
1. Optim. of Comm. WWTPs	YAKMI	\$48,857	\$48,857	\$0	Closed
2. Comm Sludge Mgt - Belawan	SMI	\$81,886	\$81,886	\$0	Closed
3. Master Meter - Sibolga	YAPEKAT	\$56,606	\$56,606	\$0	Closed
Sub-Total		\$187,349	\$187,349	\$0	
West Java/DKI/Banten					
1. Septage Mgt - Jakarta	Mercy Corps	\$99,972	\$99,972	\$0	Closed
2. Comm.Sewerage - Jakarta	Forkami	\$61,806	\$61,806	\$0	Closed
3. Master Meter - Rajeg	Forkami	\$41,682	\$26,451	\$15,231	Closed
4. Comm.San/Teluk Naga - Tangerang	BSK	\$18,482	\$18,482	\$0	Closed
5. Comm.San/Kronjo - Tangerang	BEST	\$11,916	\$11,916	\$0	Closed
6. Fiberglass Molds (in-Kind)	AKR	\$7,532	\$7,532	\$0	Closed
7. Fiberglass Molds (In-Kind)	CBO	\$1,398	\$1,398	\$0	Closed
8. CBS/School Sanitation - Serang	YPCII	\$75,740	\$75,740	\$0	Closed
9. Small-scale Sewerage - Bekasi	GANECA	\$69,235	\$42,691	\$26,544	On-going
10. San. SMEs/Microcredit - Serang	DIM	\$73,618	\$53,710	\$19,907	On-going
Sub-Total		\$461,381	\$399,698	\$61,683	
Central Java					
1. Comm. San / MCK - Kendal	LPTP Jogja	\$53,068	\$53,068	\$0	Closed
2. Kampung Sanitasi - Surakarta	LPTP Solo	\$76,935	\$76,935	\$0	Closed
3. Comm.San - Jomblang	Gita Ptw	\$59,598	\$59,598	\$0	Closed
4. Customer Forum	Kompip	\$58,880	\$58,880	\$0	Closed
5. USRI support	Spek-Ham	\$70,476	\$70,476	\$0	Closed
6. UPTD development	SCM	\$53,982	\$32,230	\$21,752	On-going
Sub-Total		\$372,939	\$351,187	\$21,752	
East Java					
1. STBM / Probolinggo	ITS	\$70,273	\$70,273	\$0	Closed
2. Master Meter / Sidoarjo	Spektra	\$47,737	\$47,737	\$0	Closed
3. San. SMEs / Microcredit	LPPM-ITS	\$84,741	\$54,834	\$29,907	On-going
4. SAN-I promotion - Greater Malang	BEST	\$67,634	\$61,294	\$6,340	On-going
5. SAN-I promotion - Greater Pantura	LPPM-ITS	\$63,191	\$57,087	\$6,104	On-going
6. Master Meter - Surabaya	FARABI	\$25,112	\$25,112	\$0	Closed
Sub-Total		\$358,688	\$316,337	\$42,350	
SSEI					
1. San. Improvement - Ambon	Murkele	\$51,243	\$51,243	\$0	Closed
2. Urban Sanitation - Jayapura	Geoteknik	\$34,264	\$34,264	\$0	Closed
3. Comm. San./KSM Cap.Bldg - Makssr	DKM	\$67,627	\$67,627	\$0	Closed
Sub-Total		\$153,134	\$153,134	\$0	
TOTAL		\$1,533,491	\$1,407,706	\$125,785	

Section 5

NATIONAL ACTIVITIES AND KEY UPCOMING EVENTS

INTRODUCTION

While IUWASH necessarily depends on the effectiveness of its technical work and the institutional relationships it develops to succeed, these areas are equally dependent on the administrative, planning, management and support systems that the team must necessarily put into place. In this section we present a more detailed account of activities and achievements at the national level within some of the primary support areas, including: general project management, project communications and reporting, media relations, monitoring and evaluation, and environmental compliance.

General Project Management

General project management activities during PY5 were varied and focused on maintaining effective program support systems. The following activities during the final quarter of PY5 exemplify the attention given to these topics:

Program Coordination: Given the institutional complexity of the water supply and sanitation sector, IUWASH places a premium on coordination with other agencies. A partial list of related activities undertaken during the Quarter and during the annual reporting period is as follows:

- Organizing regular (generally quarterly) planning and coordination meetings with:
 - The GOI Technical Team (or “Tim Teknis”), which serves as the project’s steering committee. The Tim Teknis is led by Bappenas and strongly supported by the Ministries of Public Welfare, Public Works, Health, Home Affairs and others.
 - IUWASH Regional Coordinators, providing a key forum for reviewing progress and adjusting strategies and programs accordingly.
- Substantial support for key GOI sector initiatives. Among others, these include: Program Percepatan Pembangunan Sanitasi Perkotaan (PPSP) overseen by the National Working Group on Water Supply and Sanitation (Pokja AMPL); Sanitasi Total Berbasis Masyarakat (STBM) program led by the Ministry of Health (MoH); Communal sanitation system development (via USRI which is implemented by PU); water utility (PDAM) debt restructuring program overseen by the Ministry of Finance (MoF); and several others.
- Continued collaboration with other key institutions, including: World Bank Water and Sanitation Program (WSP); National Water Utility Association of Indonesia (PERPAMSI); the Development Support Agency for Water Supply System (BPPSPAM); Urban Sanitation Development Program (USDP); Urban Sanitation and Rural Infrastructure (USRI) program, Water.Org.; and many others.
- The following is a partial list of more notable events that IUWASH supported or sponsored in close collaboration with key partners is provided below.

Program Management: In terms of more routine management related areas, IUWASH regularly undertakes a wide range of activities to ensure that staff is well-prepared to keep pace with the rigors of project implementation, while at the same time remaining compliant as concerns governing rules and regulations. Those of note during the annual reporting period included:

- Follow-up of recommendations emanating from a Performance Audit conducted by the Regional Inspector General’s office in Manila.
- Adjustment of the project’s Technical Assistance Management Information System (TAMIS) to accommodate changes recommended by the MTE and RIG Performance Audit.
- Modification of the Project’s PMP to respond to recommendations from the project’s Mid-Term Evaluation (MTE) and RIG Performance Audit, as well as modification of the project’s Procurement Plan to accommodate minor adjustments.

- Conducting a variety of special management workshops to improve the ability of staff to plan and manage project activities. These included workshops related to financial management and planning, procurement, monitoring and evaluation, etc.
- Provision of ongoing support from national team members for regional activities. This support covered a variety of areas, ranging from workplan development and synchronization to administrative and financial management training, information management, baseline data collection, formative research, the development of SOWs for an array of project activities, and technical support across all components.

Special Events and Visitors: As a part of its overall program, IUWASH is often involved in hosting visitors or organizing special events. Not inclusive of all (especially those at the regional level), some of the more noteworthy visits or special events during PY5 included:

PY5 Month	Event	
October	<ul style="list-style-type: none"> • Inauguration of a Master Meter project in Sibolga (Photo 1) • Participant sponsorship at the Asia Urban Resilience Workshop in Bangkok • Global Handwashing Day celebration sponsored by MOH/STBM Secretariat (Photo 2) • USAID/W Director/Economic Growth, Jerry Bisson, to Tangerang sanitation programs • US Congressional Staff member, Chris Homan, visit to Medan 	
November	<ul style="list-style-type: none"> • National Communal Sanitation CBO Workshop (Photo 3) 	
December	<ul style="list-style-type: none"> • National Workshop on Gender Responsive Budgeting/Planning w/MWECP • CSR gala event in Kabupaten Tangerang (Photo 4) 	
January	<ul style="list-style-type: none"> • Visit of Regional and Mission USAID Environment Officers to Serang, Banten • Visit of Water Team staff (Liz Jordan, Jeff Goldberg) to Tangerang • Participant sponsorship at the 3rd International Fecal Sludge Management (FSM3) conference in Hanoi, Vietnam (Photo 5) 	

PY5 Month	Event	
February	<ul style="list-style-type: none"> • Handover of communal sanitation system in Serang • USAID Env. Office (Ashley King, Amin) review of CC-VAAP in Malang • National Energy Efficiency Workshop with PU and USAID/ICED (Photo 6) • National Workshop on Innovation in Sanitation Management with ADB and PU 	
March	<ul style="list-style-type: none"> • USAID/Indonesia Dir. of Office of Environment, John Hansen, to Sibolga, North Sumatra • World Water Day/Inauguration of Infiltration Ponds attended by Mission Director of USAID/Indonesia in Salatiga, Central Java (Photo 7) 	
April	<ul style="list-style-type: none"> • Inauguration of a Master Meter project in Surabaya by the Mayor, Tri Rismaharini (Photo 8) • Indonesia Water and Wastewater Expo & Forum, a PERPAMSI-sponsored event 	
May	<ul style="list-style-type: none"> • Indonesia International Water Week, a Ministry of Public Works-sponsored event (Photo 9) • Visit by USAID/Indonesia DO2 Integration Team to East Java 	
June	<ul style="list-style-type: none"> • Launching of Bandung Dist. Sanitation Program with USAID/MD, Andy Sisson (Photo 10) • Participant sponsorship at a septage management study tour in the Philippines • USAID/W Democracy, Rights and Governance (DRG) Integration team meeting 	
August	<ul style="list-style-type: none"> • USAID Assistant Admin. for Legislative and Political Affairs (LPA), Chuck Cooper, and Deputy AA/LPA, Barbara Feinstein visit to East Java programs • Visit by USAID/W Water Team Analyst, Seema Johnson, to Tangerang and DKI • Desludging program launch in Kota Makassar with Deputy Director Env. Office (Photo 11) • Workshop on LLTT by PU for 50 cities 	
September	<ul style="list-style-type: none"> • Annual Workplanning Meeting with opening remarks from the Deputy Director Office of Environment (Heather D'Agnes) and COR (Trigeany Linggoatmodjo) 	

While many challenges and issues were encountered in accomplishing these above activities, none are deemed especially noteworthy or outside of the normal course of business.

Project Communications and Reporting

During PY 5, the IUWASH Program Communications Team registered several important achievements. In addition to helping to raise the IUWASH profile, the team contributed to awareness-raising on water supply and sanitation sector issues on the national and regional stage. Some of more notable achievements included:

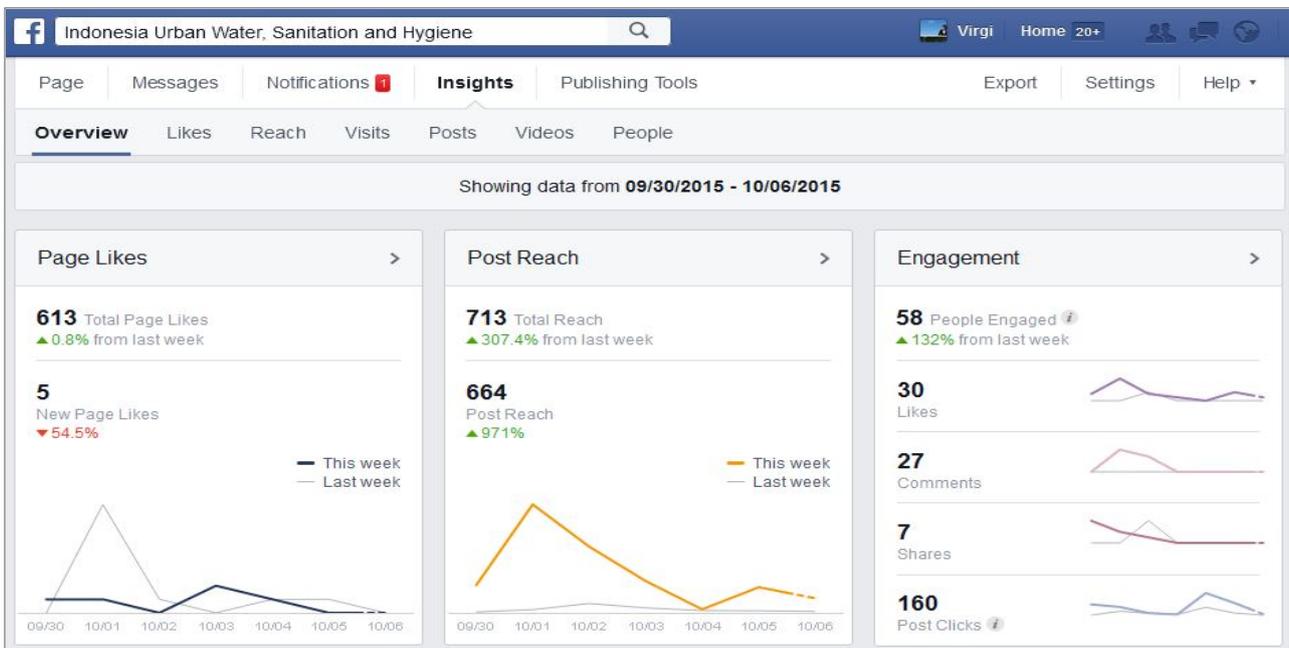
- Optimizing IUWASH website to encourage knowledge-sharing activities through a special section of “Tools and Approaches” (<http://iuwash.or.id/category/tools-approaches/>). The team will continue to provide support in the development and dissemination of new knowledge management products. On-going improvement of IUWASH website has been conducted to increase its functionality, for example, by adding links to all project videos and TV coverage on a new ‘Videos’ page in the ‘Downloads and Publications’ section.
- Assisting in the development of several new project videos. During PY 5, four videos were produced. This included three (3) videos on urban sanitation promotion (one dealing with household systems, one dealing with communal systems and a TV ad-style Public Service Announcement or PSA) and a ‘generic’ speed-drawing video to broadly promote regular desludging service in Indonesia. Two other videos were also under production at the end of PY5, including: one promoting city sewerage connections for Surakarta; and a video on lessons learned by CSR Forums. Completed videos have been distributed to key stakeholders and are also available via links on the IUWASH website, Facebook and Twitter accounts, as well as on YouTube (<https://www.youtube.com/user/IUWASH1/videos>).
- Contributing to several articles and publications, including an overview of IUWASH work in sanitation which appeared in the DFAT/IndII-funded Prakarsa publications and a story on infiltration ponds that was featured in the USAID FrontLines magazine (September/October 2015 issue). Prior to project closing, the Team will continue providing assistance in the development of such publications.



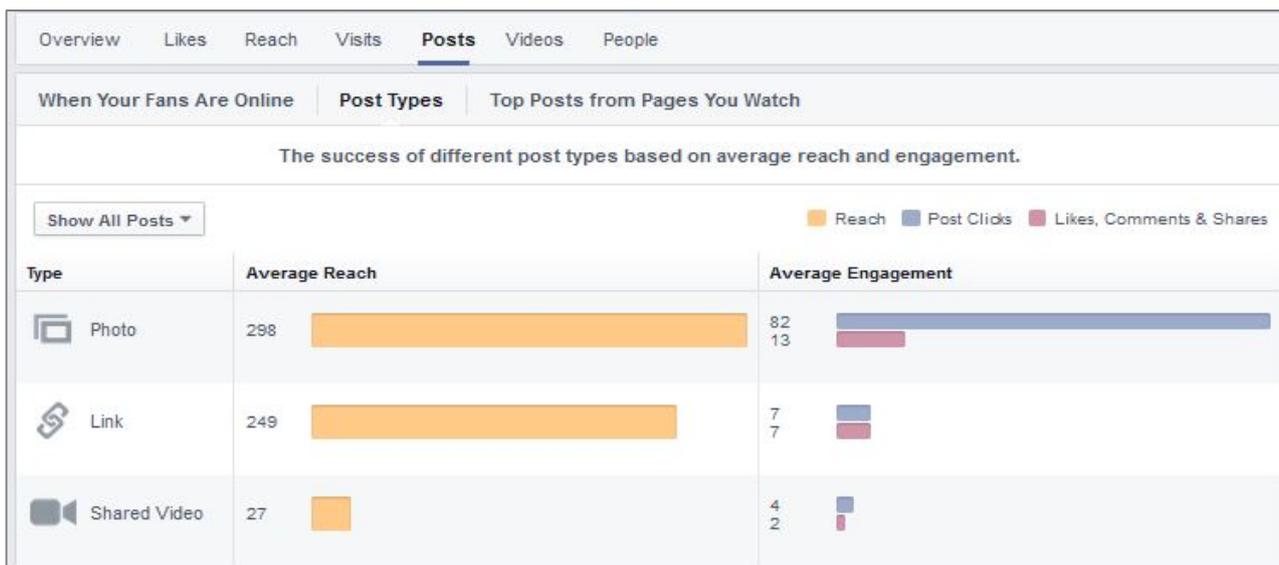
Throughout the year, the Communications Team continued to provide major support for special events and visits (listed in the preceding section). In support of this work, the project distributed more than 4,000 copies of project publications (info sheets, technical notes, newsletters, etc.).

In addition to “higher-level” events and visits, the Team supported the organization of multiple workshops and other events that brought together a wide range of ministries, national and regional key stakeholders. Examples include: a “CBO National Gathering” which brought together about 100 local CBOs that manage PU-constructed communal system to share experiences and improve the system’s effectiveness (November 2014). The Team also facilitated two trainings on website management and digital photography for local government personnel in Gresik and Labuhanbatu Districts to support web-based citizen engagement mechanisms activities (February and April 2015).

Finally, to boost IUWASH profile prior to project close-out, the team continued to ensure an active presence in project website and social media with active accounts on Facebook, Twitter and Flickr. Facebook has been an especially effective tool to engage the public with IUWASH activities and, in particular, those that reach local stakeholders. By October 2015, IUWASH Facebook Page has received 613 “likes” (compared to 450 last year).

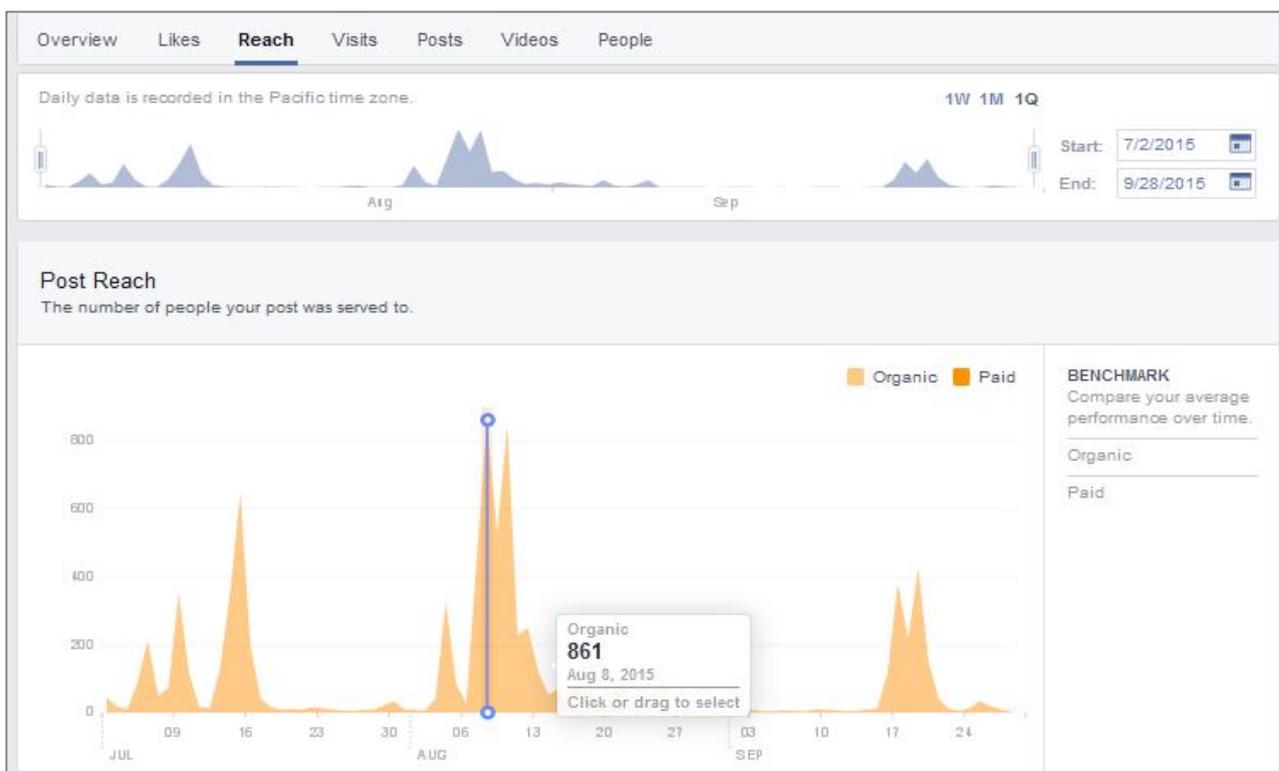


Profile of IUWASH Facebook Page ‘fans’ as per October 2015; among 613 people, the number of male ‘fans’ is still leading (63%) towards female ‘fans’ which just reaches 37% while the average age of most fans is 25 to 44.



IUWASH presence in Facebook as indicated by best Post Types, which illustrates "photo update" provided the most audience reach and engagement, while news article and videos links are still less engaged post.

Among posts that IUWASH Facebook Page shared with the public, status updates in the form of photographs and internet links to media coverage were especially popular. This trend shows that the public tends to prefer 'visual' information. In response, the team plans to produce and share more photo and info graphics series to engage more 'fans'.



Sample of the most engaged post on IUWASH Facebook Page during period of July to September 2015. An album post regarding the launching of regular desludging service held on August 8, 2015 in Makassar City which was attended by the Mayor, USAID/Indonesia and IUWASH team has reached 861 organic viewers.

Twitter is also among the more ‘powerful’ platforms to engage public. IUWASH Twitter account (@airsanitasi) currently has 352 followers (last year was 238 followers). As more active and flowing ‘tweets’ will encourage more followers, the Team will tweet more regularly to highlight IUWASH activities and contributions as well as to mainstreaming the water and sanitation issues.



In terms of reporting, and throughout the annual reporting period, the Program Communications team and other staff continued to produce high-quality reports and publications in a timely fashion and ensure their wide dissemination. This involved support to produce and distribute the following:

- Four (4) IUWASH Quarterly Progress Reports (Oct 2014 - Oct 2015);
- IUWASH Annual Work plan for PY 6 (ongoing);
- IUWASH Regular Monthly Reports (ongoing);
- IUWASH Regular Monthly Highlight;
- Urban Sanitation Promotion Guide;
- Lessons learned book on individual sanitation development implemented in Klaten District;
- Summary Report on the CCVA of PDAM Pematang Siantar, Salatiga and Semarang Districts;
- A promotional brochure on regular desludging for Surakarta, Medan and Bogor, etc.

The project continues to refine its systems for project programmatic reporting, ensuring that report formats track very closely with the PMP and Work plan. Such items also have been uploaded to the USAID DECS with DAI Home Office support. In the next period, project reporting activities will be continuing to provide high quality reports in a timely fashion, while reporting more broadly on program outputs and results, integrating local level data, and improving internal reporting procedures and support.

In PY 6, the Program Communications team will focus on producing knowledge products and capturing project high result achievements prior to develop some programmatic best practices and signature program in the form of national and regional booklets and as part of IUWASH Legacy.

Media Advocacy Activities

IUWASH recognizes that how people think about the water supply and sanitation sector is very much shaped by how they are portrayed in television, radio, newspapers, social media and other forms of media. The influence that media has is powerful both in the “upstream” of sector development by highlighting key issues and events for policymakers, and in the “downstream” by contributing to public perceptions of their own role in sector development. Through building a network with national and local level media outlets, IUWASH has done much to raise the visibility of the sector at multiple levels. The following are some of the more noteworthy activities undertaken by the project in terms of media relations and advocacy during the reporting period:

- Prepared Media visit for Climate Change Adaption to in Enrekang and which will involve eleven media representatives from Makassar and Jakarta (and is scheduled to be held in October 2015).
- Held a workshop for Customer Communications Forums (Forum Komunikasi Pelanggan or FKP) of five (5) PDAM in Central Java on how to successfully engage media in advancing water utility issues and imparting important messages to their customer bases.
- Provided training to the UPTD-PAL in the how to make use of the media in raising community awareness of key issues and in how to respond to media inquiries.
- Conducted a “Media Dialogue” to introduce regular desludging services (LLTT) in Makassar and which was followed by the formal launching of the service on August 07. For many media representatives, it was their first exposure to the importance of septage management in general, and both events also served as a practical training for the area UPTD-PAL in media event organization and management.
- Had initial discussions with the producer of the Kick Andy Show (Metro TV), a popular television talk show, about the possible integration of segments on sanitation.



For the coming period, IUWASH will continue to work in the important area of media relations and advocacy. This is expected to involve:

- Continue approaching Kick Andy Show
- Preparing for Media Visit Central Java for their success story.
- Media Visit to Enrekang, to explore climate change adaptation.
- Continue to workshop for FKP PDAM Bekasi and Tangerang

Monitoring and Evaluation

The M&E Program continued to play an important role in overall IUWASH operations. As part of project management, the IUWASH M&E program closely tracks and regularly presents information related to the achievement of project progress. The focus of IUWASH M&E Program in PY5 was to speed up

achievement of several “critical” outcomes (those outcomes that are important in and of themselves or those which also impact other targeted outcomes). In the first quarter of PY5, IUWASH identified 9 critical outcomes, all of which were closely monitored throughout the year.

As in the past, tracking of program achievements was done through field-based data collection and compilation / consolidation on the project’s web-enabled Technical and Administrative Management Information System (or “TAMIS”). All the data posted in TAMIS is reviewed regularly and verified before reported in IUWASH regular reports. During PY5, IUWASH continued to receive support from a DAI TAMIS Specialist to adjust the system to the project’s needs (and workplans) as well as respond to day-to-day operational issues that arise. In PY5, this also entailed linking Grant data to Participant Training information to make sure such information was being appropriately captured. Other M&E activities in PY5 entailed:

- Facilitating training on M&E for 6 grantees in WJDB and Central Java and East Java regions (including DIM and Ganesa (WJDB), PT. SCM (Central Java), and FARABI, LPPM ITS and BEST (East Java);
- Implementing household surveys on the adoption of improved hygiene practices (Outcome MD-4) in 9 cities of North Sumatra, WJDB and SSEI.
- Providing supporting documents and other requirements to response to RIG audit recommendations.
- Completing an IUWASH-commissioned Poverty Study with SMERU Research Institute in Kota Bogor and preparation of a follow-on study which will be undertaken in Kab. Sidoarjo.
- Implementing a Water Cost Survey in five locations (Kab. Tangerang, Kab. Sidoarjo, Kota Sibolga, Kota Surakarta, and Kota Surabaya).

Other important highlights of the past quarter included:

- Recruitment of supervisors for the above survey on hygiene practices in Central Java.
- Collecting data to support reporting of QPR 18/Annual Report outcomes. Data collection was conducted through TAMIS and other data sources and addresses all outcome areas.
- Developing a new TAMIS section for the Workplan for PY6. And which will be used to record activities beginning on October 1, 2015 (PY6);
- Presenting results of the Poverty Study in Kota Bogor and initial results of the study Kab. Sidoarjo to the USAID DO-2 and FO Teams;

In the next quarter, IUWASH M&E activities will focus on the following:

- Conducting enumerator training to support the data collection of survey on Behavior Change Survey in Central Java region in Kota Semarang and Surakarta.
- Conducting data collection on the above survey in Central Java region.
- Continuing to conduct data collection of Poverty Study in Kab. Sidoarjo.
- Conducting a presentation on the Poverty Study in Kab. Sidoarjo to key IUWASH stakeholders and develop follow up plans to complete the study in Kab. Sidoarjo.
- Continuing to work remotely with the DAI TAMIS Specialist on development of a special section on IUWASH Closedown
- Conducting a water cost survey of Master Meter sites in Sibolga (North Sumatra); and
- Collecting data to support reporting of QPR 19 through the IUWASH TAMIS as well as specific surveys.

Environmental Compliance

As a project aimed very much at improving the environmental health of Indonesian citizens, IUWASH understands the importance of ensuring that its own activities do not, in any way, negatively impact public health or environmental conditions in the areas where it operates. Guiding this process are USAID environmental regulation 22 CFR 216; the project’s Initial Environmental Examination (IEE), which is

referenced as ASIA 09-86 Indonesia IEE & ETD (as amended on May 25, 2012); and the approved IUWASH Environmental Monitoring and Mitigation Plan (EMMP), which has been integrated into and regularly approved as part of the project's annual workplans.

Important activities undertaken during PY5 focused on continued training to staff at all levels, as well as further reviews of the EMMP which will be integrated into the project's forthcoming Annual Workplan for PY6. Environmental compliance activities planned for the coming period will involve:

- As needed, further training on the use of various monitoring tools for regional staff.
- Ongoing supervision of the environmental compliance processes with support provided as required by the national-level Environmental Officer and associated technical specialists.

Section 6

PROJECT MONITORING & EVALUATION

The following presents detailed information on quarterly and cumulative progress under IUWASH targeted outcomes as defined within the project's Performance Monitoring Plan (PMP). This report covers the fourth quarter of the "program year 5" (or "PY5") for IUWASH, and as such, it provides up-to-date information of all outcomes based on Third Revision of IUWASH PMP that was approved by USAID on June 2, 2014. The PMP report this quarter follows the format of previous quarters by clearly setting forth quantitative achievements for each program year (or "PY") as well as by quarter for the current year (PY5).

The IUWASH progress is presented under the following major headings:

- High Level Results/MDG Outcomes (HR)
- Component 1: Mobilize Demand for Improved Water and Sanitation Services (MD)
- Component 2: Improve Capacity to Provide Sustainable Safe Water and Sanitation Services (IC)
- Component 3: Create an Enabling Environment Supporting Equitable Water and Sanitation Services (EE)

This quarter, it can be noted that IUWASH surpassed Life-of-Project (LOP) targets for seven (7) additional outcomes, bringing the total number of outcomes that have surpassed to fourteen (14). Below are the 14 outcomes that have surpassed their LOP targets:

1. Outcome HR-1 (people gain increased access to safe water supply);
2. Outcome HR-2 (people gain increased access to improved sanitation facility);
3. Outcome HR-3 (decreasing of water cost by the poor);
4. Outcome HR-4 (people participate in IUWASH related training activities);
5. Outcome MD-1 (households have willingness to pay for sanitation improvement);
6. Outcome MD-2 (Government institutions and/or CSO implementing watsan program);
7. Outcome MD-4 (household increase adoption to improved hygiene behavior);
8. Outcome IC-2 (PDAM supported to develop debt restructuring plans);
9. Outcome IC-3 (PDAM improved credit worthiness);
10. Outcome IC-5 (LG implementing integrated sanitation and hygiene interventions that reflect their citywide sanitation strategic plans);
11. Outcome IC-6 (SME providing affordable construction and sanitation facility management services);
12. Outcome IC-7 (satisfaction of the poor to watsan services);
13. Outcome EE-3 (percent increased of amount leveraged to support the improvement of watsan sector);
14. Outcome EE-4 (households accessing microfinance for improvement of watsan services).

While the value of the IUWASH PMP and monitoring system is an important requirement under the project, it is also used to much effect in overall program planning, budgeting and coordination. Specifically, and based on perceived progress (or lack thereof) under certain outcomes, IUWASH adjusts the focus of its work to those deemed as "critical". This quarter, there are two critical outcomes identified last quarter (Outcome HR-2 and MD-1) have been shown a significant progress so this quarter both outcomes have been move to the category of surpassed the life of project target. Based upon this, there are four outcomes that IUWASH considers as remaining "critical" and that are an on-going focus of attention, with programmatic approaches frequently reviewed and updated. The four critical outcomes are:

- **Outcome MD-3, Civil society groups that report on PDAM operations or performance:**
The completion of this outcome requires a series of efforts to complete all stages of related work, including obtaining relevant supporting documentation required for confirming achievements. By the end of the Quarter, 60% of the total LOP target had been reached.

- **Outcome IC-4, LGs implementing CCAAP to support the improvement of raw water sources:** Similar to Outcome MD-3, this outcome also required the completion of multiple steps. This Outcome had reached 35% of the LOP target and will continue to receive much attention as, in addition to being important in and of itself, it also impacts on other Outcome areas, such as Outcome IC-10, Capacity building for LGs partner on the impact of climate change.
- **Outcome IC-8, Development of sanitation management units:** As opposed to simply establishing sanitation management units through local regulation, IUWASH has set the bar higher and seeks to put into place not only relevant regulations, but also ensure that new or revitalized units: are appropriately staffed; are supported by local budget allocations; have relevant five-year plans; have clear staffing and capacity building targets, and are beginning to actually function and provide services. As such, the completion of this outcome requires a series of efforts and many formal LG supporting documents. Five cities had achieved this target by the end of PY5, including: Kota Jayapura, Kab. Gresik, Kota Probolinggo, Kota Makassar and Kab. Pinrang.
- **Outcome EE-5, Development of Citizen Engagement Mechanism/CEM:** The process to formally register achievements under this outcome is similar with Outcome IC-8 in that there are multiple stages and many supporting documents to collect. By the end of PY5, a total of nine (9) partner LGs had completed all stage of CEM development.

There are specific notes provided on several IUWASH PMP Outcomes as follow:

- **Outcome IC-2, Develop debt restructuring plans:** IUWASH has final results on the monitoring of the debt restructuring program through the monitoring of the PDAM Business Plan of 2013, 2014 and 2015. Evaluation of monitoring was conducted by a national debt restructuring team during year 2014/2015. The team is led by MoF with members from BPKP, MoPW, BPPSPAM and IUWASH. In September 2015, approval for permanent write-off of non-principle items was issued by MoF. Based on this condition, the achievement of Outcome IC-2 is in the final results of the progress achieved;
- **Outcome IC-5, LGs implementing sanitation and hygiene interventions that reflect their citywide sanitation strategies:** IUWASH develop an initial summary on progress made under this outcome and which shows that, from a total of 53 cities supported by IUWASH in sanitation programming, 52 cities have demonstrated that they are implementing sanitation programming based on their city sanitation strategies.
- **Outcome EE-1, LGs that put greater priority on safe drinking water and sanitation through supportive local policies and budget allocation increases:** As this is the combination of two fairly important and detached indicators (local policies and local budgets), this quarter IUWASH reports both indicators. This quarter IUWASH also conducted its last review of LG budget (APBD) allocations for the watsan sector. From the trend analysis of the LG funding, from 51 cities monitored, there are only 2 cities (Kota Probolinggo and Kota Ambon) that have not increased their local budget allocations. IUWASH will continue to monitor and collect more detailed information just in case if both cities have same status at the end of IUWASH program. As concerns policy development, and as mentioned above, the project has met its target of 50 cities with a new sector policy. However, if one views this Outcome as requiring both an increase in budget allocations and a new policy, three (3) cities have not yet done so, including Kabupaten Kudus, Kota Probolinggo and Kota Ambon.

See table below for more detailed information on the outcome above.

SUMMARY OF ACHIEVEMENT OF PMP OUTCOMES BY PROVINCE, STATUS SEPTEMBER 2015

Note: The rows with yellow color indicate the IUWASH results and outcomes that contribute to the Operational Plan (OP) Performance indicators.

PMP Outcome Indicator	Target Over the life of Project	Achievement				Achievements Thru PY4	PY5 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4		Region	Q1	Q2	Q3	Q4		
High Level Result (HR)													
<u>HR.1</u> Number of people in urban areas gain access to improved water supply as a result of US Government assistance	2,000,000	0	251,630	595,885	622,665	1,470,180 (73.5%)	NS	N/A	29,645	N/A	35,070	775,825	2,246,005 (112.30%)
					WJDB		N/A	106,305	N/A	112,125			
					CJ		N/A	65,380	N/A	56,870			
					EJ		N/A	190,065	N/A	139,710			
					SSEI		N/A	36,465	N/A	4,190			
Total Achievement of HR-1							0	427,860	0	347,965			
<u>HR.2</u> Number of people in urban areas gain access to improved sanitation facilities as a result of US Government assistance	250,000	0	13,615	42,610	40,425	96,650 (38.66%)	NS	N/A	2,810	N/A	335	159,405	256,055 (102.42%)
					WJDB		N/A	5,220	N/A	4,745			
					CJ		N/A	62,935	N/A	25,485			
					EJ		N/A	17,970	N/A	27,765			
					SSEI		N/A	505	N/A	11,635			
Total Achievement of HR-2							0	89,440	0	69,965			

PMP Outcome Indicator	Target Over the life of Project	Achievement				Achievements Thru PY4	PY5 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4		Region	Q1	Q2 (**)	Q3 (***)	Q4 (**)		
High Level Result (HR)													
HR.3 The per unit water cost paid by the poor in targeted communities decreases by at least 20% through more participatory, transparent, accountable and financially enabled services	20	0	n.a (*)	n.a (*)	n.a (*)	n.a (*) (0%)	NS	N/A	89%	N/A	N/A	53%	53% (267%)
							WJDB	N/A	(6%)	N/A	N/A		
							CJ	N/A	58%	N/A	N/A		
							EJ	N/A	N/A	32%	62.5%		
							SSEI	N/A	N/A	N/A	N/A		
Total Achievement of HR-3							0	47%	32%	62.5%			
HR.4 Number of people trained in IUWASH training type of activities	75,000	417	14,834	22,078	15,177	52,506 (70.01%)	NS	1,737	1,022	339	1,118	37,060	89,566 (119.42%)
							WJDB	1,671	2,715	2,857	1,570		
							CJ	1,975	1,513	4,027	1,637		
							EJ	1,734	1,093	1,871	1,882		
							SSEI	2,088	1,900	3,109	1,202		
Total Achievement of HR-4							9,205	8,243	12,203	7,409			

(*)Based on the project's new PMP (Third Revision), this outcome is only measured at IUWASH Master Meter locations. As such, previous measurements are no longer valid and will be adjusted following completion of a new water cost survey.

(**)This figure is the result of the new water cost survey that was implemented in Kab. Tangerang, Kota Sibolga, Kota Surakarta and Kota Surabaya.

(***)This figure is the result of the new water cost survey implemented in Kab. Sidoarjo (revised figure due to changing method on the counting of water cost paid by the poor).

PMP Outcome	Target Over the	Achievement				Achievements Thru PY4	PY5 Achievement				Total up	Total Achievements
		PY1	PY2	PY3	PY4		Region	Q1	Q2	Q3		

ANNUAL PROGRESS REPORT 5 OCTOBER 2014 – SEPTEMBER 2015
 QUARTERLY PROGRESS REPORT 18 JULY – SEPTEMBER 2015

Indicator	life of Project											to this Quarter	as % of total target
Component I: Mobilize Demand for Improved Water and Sanitation Services (MD)													
MD.1 Number of households willing to pay for sanitation improvements	50,000	0	2,113	7,233	9,984	19,330 (38.66%)	NS	N/A	562	N/A	67	31,881	51,211 (102.42%)
							WJDB	N/A	1,044	N/A	949		
							CJ	N/A	12,587	N/A	5,097		
							EJ	N/A	3,594	N/A	5,553		
							SSEI	N/A	101	N/A	2,327		
Total Achievement of MD-1							0	17,888	0	13,993			
MD.2 Number of Government institutions and/or civil society groups implementing programs to mobilize improved access to safe drinking water and adequate sanitation	100	0	6	36	40	82 (82%)	NS	0	0	0	0	157	239 (239%)
							WJDB	0	0	0	0		
							CJ	0	8	0	0		
							EJ	0	143	0	0		
							SSEI	0	0	6	0		
Total Achievement of MD-2							0	151	6	0			
MD.3 Number of civil society groups that report on PDAM operations or performance	20	0	0	0	0	0 (0%)	NS	0	0	0	4	12	12 (60%)
							WJDB	0	0	0	0		
							CJ	0	0	0	6		
							EJ	0	0	0	1		
							SSEI	0	0	0	1		
Total Achievement of MD-3							0	0	0	12			

PMP Outcome Indicator	Target Over the life of	Achievement				Achievements Thru PY4	PY5 Achievement					Total up to this	Total Achievements as % of total
		PY1	PY2	PY3	PY4		Region	Q1	Q2	Q3	Q4		

ANNUAL PROGRESS REPORT 5 OCTOBER 2014 – SEPTEMBER 2015
 QUARTERLY PROGRESS REPORT 18 JULY – SEPTEMBER 2015

Project											Quarter	target	
Component I: Mobilize Demand for Improved Water and Sanitation Services (MD)													
MD.4. Percent increase in households adopting hygienic behavior related to improved sanitation services	20	N/A	N/A	N/A	27.25% (*)	27.25% (*)	NS	N/A	N/A	N/A	N/A	0	27.25% (136.25%)
							WJDB	N/A	N/A	N/A	N/A		
							CJ	N/A	N/A	N/A	N/A		
							EJ	N/A	N/A	N/A	N/A		
							SSEI	N/A	N/A	N/A	N/A		
Total Achievement of MD-4							0	0	0	0			
MD.5. Number of master trainers exposed to participatory planning activities	100	N/A	N/A	N/A	0	0	NS	0	0	0	0	0 (*)	0% (*)
							WJDB	0	0	0	0		
							CJ	0	0	0	0		
							EJ	0	0	0	0		
							SSEI	0	0	0	0		
Total Achievement of MD-5							0	0	0	0			

(*) The figures on percent increased were the results of data analysis of Survey #1 and survey #2. These figures are the comparison between results of survey #1 and survey #2. Based on recent revised PMP, IUWASH needs to conduct new survey to meet the criteria stated in the PMP. Up to this quarter, IUWASH have been done the survey in 9 cities of NS, WJDB and SSEI regions) and on-going on data collection in 10 cities of CJ region. After all data collected from all IUWASH cities, the total achievement will be reported.

PMP Outcome Indicator	Target Over the life of Project	Achievement				Achievements Thru PY4	PY5 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4		Region	Q1	Q2	Q3	Q4		
Component 2: Improve Capacity to Provide Sustainable Safe Water and Sanitation Services (IC)													
<u>IC.1.</u> Number of PDAMs with improved technical, financial and management performance	50	0	4	30	44 (cumulative)	44 (cumulative) (88%)	NS	N/A	9	N/A	9	48 (cumulative)	48 (cumulative) (96%)
							WJDB	N/A	7	N/A	8		
							CJ	N/A	10	N/A	10		
							EJ	N/A	9	N/A	11		
							SSEI	N/A	10	N/A	10		
Total Achievement of IC-1							0	45	0	48			
<u>IC.2.</u> Number of PDAMs in default of old debts are assisted in restructuring their outstanding debts	20	0	2*	8	0	10 (50%)	NS	N/A	0	N/A	5	15	25 (125%)
							WJDB	N/A	0	N/A	2		
							CJ	N/A	0	N/A	4		
							EJ	N/A	0	N/A	2		
							SSEI	N/A	0	N/A	2		
Total Achievement of IC-2							0	0 (**)	0	15 (***)			
<u>IC.3.</u> Number of PDAMs with improved credit worthiness	20	0	0	2	26	28 (140%)	NS	N/A	0	N/A	0	9	37 (185%)
							WJDB	N/A	0	N/A	4		
							CJ	N/A	0	N/A	1		
							EJ	N/A	0	N/A	2		
							SSEI	N/A	0	N/A	2		
Total Achievement of IC-3							0	0	0	9			

*) Total number of debts restructuring plans submitted to MoF was adjusted for PY3 because IUWASH support for Kota Medan was limited and focused on monitoring. The debt restructuring plan for Langkat was prepared with IUWASH assistance, but until now has not been approved by the LG and, as such, cannot be submitted to MoF.

**) IUWASH is supporting MoF with monitoring progress of the implementation of debt restructuring according to previously approved plans

***) This figure comes from a completed monitoring process conducted by IUWASH and based on the coordination with the MoF, recently MoF has formally issued the approval for permanent write-off of non-principle item that include tax exemption to PDAM assisted. BY having this condition, IUWASH considered the support as completed and final.

PMP Outcome	Target Over the	Achievement				Achievements Thru PY4	PY5 Achievement					Total Achievements
		PY1	PY2	PY3	PY4		Region	Q1	Q2	Q3	Q4	

Indicator	life of Project											to this Quarter	as % of total target
Component 2: Improve Capacity to Provide Sustainable Safe Water and Sanitation Services (IC)													
IC.4. Number of local government institutions implementing necessary climate change adaptation measures, based on preliminary raw water vulnerability assessments	20	0	0	0	0	0 (0%)	NS	N/A	1	N/A	0	7	7 (35%)
							WJDB	N/A	0	N/A	0		
							CJ	N/A	2	N/A	0		
							EJ	N/A	1	N/A	3		
							SSEI	N/A	0	N/A	0		
Total Achievement of IC-4							0		4	0	3		
IC.5. Number of local governments implementing integrated sanitation and hygiene interventions that reflect their citywide sanitation strategic plans	30	0	0	0	0	0 (0%)	NS	N/A	0	N/A	8	52	52 (260%)
							WJDB	N/A	0	N/A	11		
							CJ	N/A	0	N/A	10		
							EJ	N/A	0	N/A	12		
							SSEI	N/A	0	N/A	11		
Total Achievement of IC-5							0		0	0	52		

PMP Outcome Indicator	Target Over the life of	Achievement				Achievements Thru PY4	PY5 Achievement					Total up to this	Total Achievements as % of total
		PY1	PY2	PY3	PY4		Region	Q1	Q2	Q3	Q4		

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											Quarter	target	
Component 2: Improve Capacity to Provide Sustainable Safe Water and Sanitation Services (IC)													
IC.6. Number of small and medium business providing affordable construction and sanitation facility management services	30	0	0	4	6	10 (33.33%)	NS	0	0	0	0	22	32 (106.67%)
							WJDB	3	1	0	0		
							CJ	0	0	9	0		
							EJ	1	0	0	3		
							SSEI	1	2	2	0		
Total Achievement of IC-6								5	3	11	3		
IC.7. Increased percentage (%) of poor residents in targeted communities who report greater satisfaction with water and sanitation services	20	0	0	0	0	0% (0%)	NS	N/A	76.80%	N/A	N/A	81.34% (*)	81.34% (406.69%)
							WJDB	N/A	100%	N/A	N/A		
							CJ	N/A	79.17%	N/A	N/A		
							EJ	N/A	89.72%	N/A	N/A		
							SSEI	N/A	61%	N/A	N/A		
Total Achievement of IC-7								0	81.34% (*)	0	0		

(*) This outcome is reported based on a survey conducted as part of water cost and improved hygiene behavior survey in Kota Sibolga, Kab. Tangerang, Kota Surakarta, Kab. Sidoarjo and Kota Makassar. IUWASH will update the results after all the satisfaction surveys in Kota Surabaya (Master Meter) and survey on satisfaction of the poor for sanitation have been completed.

PMP Outcome Indicator	Target Over the life of Project	Achievement				Achievements Thru PY4	PY5 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4		Region	Q1	Q2	Q3	Q4		

Component 2: Improve Capacity to Provide Sustainable Safe Water and Sanitation Services (IC)													
IC.8. Number of municipal sanitation management units established with supporting policies, budgets and personnel	10	N/A	N/A	N/A	0	0 (0%)	NS	N/A	0	N/A	0	5	5 (50%)
							WJDB	N/A	0	N/A	0		
							CJ	N/A	0	N/A	0		
							EJ	N/A	0	N/A	2		
							SSEI	N/A	1	N/A	2		
Total Achievement of IC-8							0	1	0	4			
IC.9. Number of “Sustainable Urban Sanitation Framework” adopted by the GOI as a key part of national sanitation programming policy	1	N/A	N/A	N/A	0	0 (0%)	NS	N/A	N/A	N/A	N/A	0	0 (0%)
							WJDB	N/A	N/A	N/A	N/A		
							CJ	N/A	N/A	N/A	N/A		
							EJ	N/A	N/A	N/A	N/A		
							SSEI	N/A	N/A	N/A	N/A		
Total Achievement of IC-9							0	0	0	0			
IC.10. Number of people from stakeholders institutions increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance	100	N/A	N/A	N/A	0	0 (0%)	NS	0	0	0	0	0	0 (0%)
							WJDB	0	0	0	0		
							CJ	0	0	0	0		
							EJ	0	0	0	0		
							SSEI	0	0	0	0		
Total Achievement of IC-10							0	0	0	0			

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PMP Outcome Indicator	Target Over the life of Project	Achievement				Achievements Thru PY4	PY5 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4		Region	Q1	Q2	Q3	Q4		
Component 3: Create an Enabling Environment Supporting Equitable Water and Sanitation Services (EE)													
<u>EE.I-a (Policy development)</u>	50	0	5	6	38	49 (98%)	NS	5	4	0	5	38	87 (174%)
							WJDB	1	3	1	1		
							CJ	2	1	0	3		
							EJ	1	4	3	1		
							SSEI	1	0	0	2		
Total Achievement of EE-I-a							10	12	4	12			
<u>EE.I-b (LG Sector Budget Allocations Increased)</u>	50 (Cumulative)	0	3	4	27 (*)	34 (*) (cumulative) (68%)	NS	N/A	N/A	N/A	9	49 (cumulative) (98%)	49 (98%)
							WJDB	N/A	N/A	N/A	10		
							CJ	N/A	N/A	N/A	10		
							EJ	N/A	N/A	N/A	10		
							SSEI	N/A	N/A	N/A	10		
Total Achievement of EE-I-b							0	0	0	49			
<u>EE.I</u> Number of participating Local Governments that put greater priority on safe drinking water and sanitation through supportive local policies and budget allocation increases	50 (Cumulative)	0	3	4	27 (**)	34 (**) (68%)	NS	N/A	N/A	N/A	4	13 (**)	46 (**) (94%)
							WJDB	N/A	N/A	N/A	4		
							CJ	N/A	N/A	N/A	1		
							EJ	N/A	N/A	N/A	3		
							SSEI	N/A	N/A	N/A	1		
Total Achievement of EE-I							0	0	0	13			

*) This figure is adjusted based on the final results of APBD monitoring.

***) These figures indicate the achievements made by all sub-indicators of EE-I (policy development and budget increase). Since the definition of EE-I defines that the achievement will be made if both sub-indicators have been completed.

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PMP Outcome Indicator	Target Over the life of Project	Achievement				Achievements Thru PY4	PY5 Achievement					Total up to this Quarter	Total Achievements as % of total target	
		PY1	PY2	PY3	PY4		Region	Q1	Q2	Q3	Q4			
Component 3: Create an Enabling Environment Supporting Equitable Water and Sanitation Services (EE)														
<u>EE.2</u> Number of PDAMs or local government obtain access to long-term funding for water or sanitation investment plans	15	0	0	0	3	3 (20%)	NS	N/A	3	N/A	0	6	9 (60%)	
							WJDB	N/A	1	N/A	1			
							CJ	N/A	0	N/A	0			
							EJ	N/A	0	N/A	0			
							SSEI	N/A	0	N/A	1			
Total Achievement of EE-2								0	4	0	2			
<u>EE.3</u> Increased percentage (%) in financial resources accessed by service providers from public and private sources for expansion of improved water and sanitation services	10	0	3.45%	3.7%	0.75%	7.9% (79%)	NS	3665.45	3,101.12	8,640	0	4.02%	11.92% (119.2%)	
							WJDB	3,796,772.72	116,700.01	3,109,090.91	226,038.38			
							CJ	67,878.00	50,754.64	581,721.41	203,113.75			
							EJ	267,640.32	961,58.09	74,547.41	0			
							SSEI	2,675,972	33,119.09	39,700.01	0			
Total Achievement of EE-3								6,811,928.90	299,832.95	3,813,700.04	429,152.13			

PMP Outcome Indicator	Target Over the life of Project	Achievement				Achievements Thru PY4	PY5 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4		Region	Q1	Q2	Q3	Q4		
Component 3: Create an Enabling Environment Supporting Equitable Water and Sanitation Services (EE)													
<u>EE.4.</u> Number of low income households accessing micro finance for household improvements in water and sanitation	15,000 (*)	0	983	4,373	6,870	12,226 (81.51%)	NS	28	30	66	0	6,935	19,161 (127.74%)
							WJDB	145	790	0	1,265		
							CJ	933	792	129	0		
							EJ	169	775	580	0		
							SSEI	563	294	376	0		
Total Achievement of EE-4							1,838	2,681	1,151	1,265			
<u>EE.5.</u> Number of Local Governments adopt new or improved mechanisms for citizens to engage local government in water and sanitation	20	0	0	0	3	3 (15%)	NS	N/A	1	N/A	2	11	14 (70%)
							WJDB	N/A	0	N/A	1		
							CJ	N/A	1	N/A	1		
							EJ	N/A	0	N/A	3		
							SSEI	N/A	0	N/A	2		
Total Achievement of EE-5							0	2	0	9			
<u>EE.6.</u> Number of new or improved regulation to facilitate access to capital financing in the water sector	1	N/A	N/A	N/A	N/A	N/A	NS	N/A	N/A	N/A	N/A	0	0 (0%)
							WJDB	0	0	0	0		
							CJ	N/A	N/A	N/A	N/A		
							EJ	N/A	N/A	N/A	N/A		
							SSEI	N/A	N/A	N/A	N/A		
Total Achievement of EE-6							0	0	0	0			

PMP Outcome Indicator	Target Over the life of Project	Achievement				Achievements Thru PY4	PY5 Achievement					Total up to this Quarter	Total Achievements as % of total target	
		PY1	PY2	PY3	PY4		Region	Q1	Q2	Q3	Q4			
Component 3: Create an Enabling Environment Supporting Equitable Water and Sanitation Services (EE)														
<u>EE.7.</u> Number of central government officials exposed to alternative financing options in the water sector in the US or other applicable context	12	N/A	N/A	N/A	N/A	0 (0%)	NS	N/A	N/A	N/A	N/A	0	0 (0%)	
							WJDB	0	0	0	0			
							CJ	N/A	N/A	N/A	N/A			
							EJ	N/A	N/A	N/A	N/A			
							SSEI	N/A	N/A	N/A	N/A			
Total Achievement of EE-7							0	0	0	0				

ANNEXES

ANNEX I: WATER SUPPLY MATRIX

USAID / IUWASH	PDAM Operational Aspects					PDAM financial Aspects				PDAM Customer Aspects		Raw Water / Climate Change			Water for Poor		CAPEX Finance		PDAM Insitutional		total		
	WS 1					WS 2				WS 3		WS 4			WS 5	WS 6	WS 7		WS 8				
	PDAM Performance Index updated and monitoring	Energy Efficiency	Non Revenue Water Reduction	Distribution Network Improvement	Production Capacity & WQ Management	GIS / MIS support	PDAM Business Plan	Tariff review / Reclassification	Billing & Accounting Programs	Debt Restructuring	Customer Satisfaction survey	PDAM Customer Forum	CCC Vulnerability assessment	Implementation Sumur Resapan	CCA daption Action Plan	Micro Finance for Water Supply	Master Meter programs	Project preparation Capital Inv. Finance	Credit Worthiness Ladder	PDAM Strengthen internal SOP		Regionalization raw water, PDAM	
update: September 2015																							
North Sumatra																					94		
1	PDAM Kota Binjai	O		C	O	O			O								O	O		O	8		
2	PDAM Kota Medan	O			O	O	O					C	C	O			O	O		O	11		
3	PDAM Kota Tebing Tinggi	O	C	C		C		C	O	C		O					O	O		C	11		
4	PDAM Kota Pem Siantar	O		C			O	C	C	O	C		C	C				O	C		13		
5	PDAM Kota Tanjung Balai	O	C	C	C	C	O	C		O	C						O	O	C		12		
6	PDAM Kab. Langkat	O	C	O	O						O				O			O	O		11		
7	PDAM Kota Sibolga	O					O	C	C	O	C			C		C		O	C		12		
8	PDAM Kab Asahan	O	C	C			O		O	O								O	O		8		
9	PDAM Kab Labuhan Batu	O		C		C		C		O					O		O		O		8		
West Java , Banten & DKI																					64		
10	PDAM Kab. Karawang	O					C	C	C		C				O						6		
11	PDAM Kota Bogor	O					O	C									O	O			5		
12	PDAM Kota Bekasi	O			C		O	C			O				O		O		O		8		
13	PDAM Kab Bekasi	O	C				O	C										O	O		6		
14	PDAM Kab Purwakarta	O							C	O									O		5		
15	PDAM Kab. Bandung	O				O	C					C		O				O		C	7		
16	PDAM Kab. Serang	O					C	C	C		C	O	C	O	O	O		O	O		12		
17	PDAM Kab. Lebak	O				O	C	C	O			O	C	O							8		
18	PDAM Kab.Tangerang/Tan	O							O			O					C				5		
19	PT Palyja / AETRA			O												O					2		
Central-Java																					83		
20	PDAM Kota Semarang	O				C		C		C		O			O						6		
21	PDAM Kota Surakarta	O	O	C					O		C					C	O	O	C		10		
22	PDAM Kab. Kudus	O					C	C				C									4		
23	PDAM Kab. Kendal	O		C			C	C											C		5		
24	PDAM Kab. Semarang	O					C	O			C		C	C					C		8		
25	PDAM Kota Salatiga	O	C	C			C	O				C	C	C				O			9		
26	PDAM Kab Rembang	O	C	C	C					C		O			O			O	C		10		
27	PDAM Kab Sukoharjo	O	O	C	O	C	O	C	C			O			O			O			11		
28	PDAM Kab Klaten	O			C		C	C	C			O			O			O			8		
29	PDAM Kab. Batang	O		C	O		O	C	C			O	C	C	C			O	O		12		
East-Java																					100		
30	PDAM Kab. Sidoarjo	O		C				O			C	O			O	C		O			8		
31	PDAM Kota Surabaya	O													O	C		O			4		
32	PDAM Kab. Gresik	O	C	C			C	O	C	O	C						O	O			11		
33	PDAM Kab. Lamongan	O			C	C		C	C	O	O								C		9		
34	PDAM Kota Probolinggo	O		C			O	C				O	C		O			O			8		
35	PDAM Kab Probolinggo	O			C		C	C	C		O		C	O	O			O	C		11		
36	PDAM Kota Mojokerto	O		C		C		C	O									O	O		7		
37	PDAM Kab. Mojokerto	O	C				C	C	C		C		C	C	C	O			C		11		
38	PDAM Kab Jombang	O		C			C	O	O	O	C				O				O		10		
39	PDAM Kota Malang	O						O					C		O			O			5		
40	PDAM Kab Malang	O		C			O			C		O	C	O	O	O			O		10		
41	PDAM Kota Batu	O				O	C					C	C	O							6		
South Sulawesi & Eastern Indonesia																					81		
42	PDAM Kota Makasar	O			C					C								O			4		
43	PDAM Kab Takalar	O	O		O				C	O		O			O			O			8		
44	PDAM Kab Maros	O	O						C	O		O						O			7		
45	PDAM Kab Jenepono	O	O			O	C		C	O			C	O	O			O	O		11		
46	PDAM Kota Pare-Pare	O	O		C		C		C	O	O		C	O				O			10		
47	PDAM Kab Enrekang	O					C		C	O	O		C	O				O			8		
48	PDAM Kab Pinrang	O					C		C	C				O	O						6		
49	PDAM Kab Sidrap	O					C		C	O			C		O	O			O	O	9		
50	PDAM Kab Bantaeng	O					C	O	C				C	O	O				O	O	9		
51	PDAM Kota Ambon	O																C			2		
52	PDAM Kab./Kota Jayapura	O		O				O		C		O						O	O		7		
	P+p* : Planned	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Ongoing / Completed	51	14	22	13	12	36	34	25	14	24	3	22	22	11	21	19	6	12	36	21	4	422
	TOTAL	51	14	22	13	12	36	34	25	14	24	3	22	22	11	21	19	6	12	36	21	4	422

ANNEX 2: SANITATION MATRIX

USAID / IUWASH Urban Sanitation Programs update: October 2015		Individual systems				Communal systems				Sewerage			Septage Management		Institutional Support		Total	
		SAN 1				SAN 2				SAN 3			SAN 4		SAN 5			
		Cap. Bldg/Demand Triggering	Construction HH Sanitation	Develop MF / SME / CSR	Improve Hygiene Practices	Pre Construction Support	Construct Comm Systems (IUWASH)	Post construction Support	Improve Hygiene Practices	Pre Construction Support	Technical Support (FS, DED)	Post construction Support	Improved Urban Septage Mgt (pilots)	IPLT design (returbish / new)	Legal Form: (1) = UPTD / (2) = PDAM	Cap. Bldg. Support (UPTD, PDAM)		
North Sumatra																		66
1	Kota Binjai	O	P	O	O	P		P	P	O	C	-		O	(1)	O	10	
2	Kota Medan	O	O	O	O	P		P	P	C	C	O	O	C	(2)	O	13	
3	Kota Tebing Tinggi	O	P	O	O	P		P	P	O	C	O		O	(1)	O	12	
4	Kota Pematang Siantar	O	P	O	O	P		P	P								7	
5	Kota Tanjung Balai	O	P	O	O					O	-	O		O	(1)	O	8	
6	Kab Langkat																0	
7	Kota Sibolga	P	O	P	P								O	(1)	O	6		
8	Kab Asahan	O	P	O	O								O	(1)	O	6		
9	Kab Labuhan Batu	O	P	O	O												4	
West Java , Banten & DKI																		77
10	Kab. Karawang																0	
11	Kota Bogor	O	O		O	O	C		O	O			O	-	(1)/(2)	O	10	
12	Kota Bekasi	O	O	P	O	O		O	O	O				-	(1)	O	10	
13	Kab Bekasi	P	P	P	P			C	C	C							6	
14	Kab Purwakarta	O	O		O		C	C	C								6	
15	Kab Bandung	O	O	O	O	O	C	O	O	O	C			-	TT	O	11	
16	Kab. Serang	O	O	O	O	O		P	O	O							8	
17	Kab. Lebak	O	O	O	O	O	C	C	C								7	
18	Kab. Tangerang	O	O	O	O	O		C	C				P	-	(1)	O	9	
19	Kab. Tangerang Selatan	C				C		C	C								4	
20	DKI - Jakarta					P				O	O	O	O	-	PD PAL	O	6	
Central-Java																		75
21	Kota Semarang	O	O	O	O	O	O	O	O								8	
22	Kota Surakarta	O	O		O	O	C	O	O	O	C	P	O	C	(2)	O	13	
23	Kab. Kudus	O	O	O	O	O		O	O								7	
24	Kab. Kendal	O	O		O	O	C	O	O								7	
25	Kab. Semarang	O	O		O												3	
26	Kota Salatiga	O	O		O					-	-	-		-	(1)	O	4	
27	Kab Rembang	O	O	O	O	O		O	O	-	-	-		-	(1)	O	8	
28	Kab Sukoharjo	O	O	O	O	O		O	O	C	C	O		C	(1)	O	12	
29	Kab Klalen	O	O	O	O	O		O	O								7	
30	Kab. Batang	O	O	O	O					-	-	-		C	(1)	O	6	
East-Java																		77
31	Kab. Sidoarjo	O	O	O	O									C	(1)	O	6	
32	Kota Surabaya	O	O	O	O	C		O	O								7	
33	Kab. Gresik	O	O	O	O	C		O	O	O	-	O		C	(1)	O	11	
34	Kab. Lamongan	O	O	O	O												4	
35	Kota Probolinggo	O	O	O	O	C		O	O					-	(1)	O	8	
36	Kab. Probolinggo	O	O	O	O												4	
37	Kota Mojokerto	O	O	O	O												4	
38	Kab. Mojokerto	O	O	O	O												4	
39	Kab Jombang	O	O	O	O	C		O	O						(1)	O	8	
40	Kota Malang	O			O	C		O	O				O		(2)	O	7	
41	Kab Malang	O	O	O	O	C		O	O								7	
42	Kota Batu	O	O	O	O	C		O	O								7	
South Sulawesi & Eastern Indonesia																		75
43	Kota Makassar	O	P	-	P	C		C	O	C	-	O	O	-	(1)	O	10	
44	Kab. Takalar	O	O	O	O	C		C	C								7	
45	Kab. Maros	O	O	O	O					C	C	O		-	(1)	O	8	
46	Kab. Jeneponto	O	-	-	O	C		C	C								5	
47	Kab. Bantaeng	O	O	O	O	C		C	C	-	-	-		-	(1)	O	8	
48	Kota Pare-Pare	O	-	-	O	C		C	C	-	-	-		-	(1)	O	6	
49	Kab. Enrekang					C		C	C								3	
50	Kab. Pinrang	O	O	O	O	C		C	C	-	-	-		-	(1)	O	8	
51	Kab. Sidrap	O	O	O	O	C		C	C								7	
52	Kota Ambon	O	-	-	P	C		O	C	C	C	C		-	(1)	O	9	
53	Kab Jayapura																0	
54	Kota Jayapura	O	-	-	P					-	-	-	P	-	(1)	O	4	
P (Planned)		2	8	3	5	5	0	4	4	0	0	1	2	0	0	0	34	
O (Ongoing)		46	35	33	43	12	1	17	19	10	3	8	6	5	0	28	266	
C (Completed)		1	0	0	0	18	5	13	13	5	8	1	0	6	0	0	70	
TOTAL		49	43	36	48	35	6	34	36	15	11	10	8	11	0	28	370	

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