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USAID INDONESIA URBAN WATER SANITATION AND HYGIENE

QUARTERLY PROGRESS REPORT 19

OCTOBER – DECEMBER 2015



JANUARY 2016

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Photo Cover:

Saifullah Yusuf, the Vice Governor of East Java province accompanied by the Acting Deputy Mission Director at USAID Indonesia, Nancy Fisher-Gormley, the Deputy Director of CCFI, Triyono Prijosesilo, USAID IUWASH team and the representatives of local government and community members of Malang district inaugurated the construction of 800 infiltration ponds to help replenish raw water sources in the district.

Photo Credit: Pryatin M Santoso/IUWASH Jakarta

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EXECUTIVE SUMMARY

This is the nineteenth Quarterly Progress Report (QPR) issued under the USAID Indonesia Urban Water, Sanitation and Hygiene (IUWASH) project. This report covers the performance period of October 01 through December 31, 2015, and includes detailed information on accomplishments and issues encountered during the period and cumulatively over the life of the project. These are set forth according to the project's main areas of activity - water supply, sanitation, "cross-cutting", and key program management considerations. Its development is very much a team effort with contributions from all staff, and it is meant to be widely shared.

This QPR covers the first quarter of what is referred to as Project Year 6 (or "PY6") during which IUWASH is working under the theme of "Achieving targets and leaving behind sustainable results". This theme underscores the dual role the project. The role of meeting its contractual obligations to USAID and ensuring that its many partners are well-equipped to continue the progress achieved under IUWASH after the conclusion of the project.

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 obtained during the reporting period, those related to the project's high-level results include:

- HR-1: The number of people that gained access to improved water supply reached 2,246,005 or 93.58% of the target (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 target (as of September 2015);

RINGKASAN EKSEKUTIF

Laporan ini adalah Laporan Kinerja Kuartal (Quarterly Progress Report/QPR) kesembilan belas yang diterbitkan oleh proyek Indonesia Urban Water, Sanitation and Hygiene (IUWASH) dari USAID. Laporan ini mencakup pencapaian kinerja pada periode I Oktober sampai dengan 31 Desember 2015 dan memuat informasi rinci mengenai prestasi dan permasalahan yang dihadapi selama periode pelaporan dan selama masa proyek secara kumulatif. Hal ini ditetapkan sesuai dengan bidang utama kegiatan, yaitu: air bersih, sanitasi, "lintas sektor" dan hal-hal yang menjadi perhatian utama pengelolaan program. Laporan ini merupakan hasil kerja tim, dengan kontribusi yang diterima dari semua staf dan dimaksudkan untuk dibagikan secara luas.

QPR ini mencakup kuartal pertama dari "Tahun Proyek 6" (Project Year 6 atau "PY6") dimana IUWASH bekerja di bawah tema "Mencapai target dan meninggalkan hasil yang berkelanjutan". Tema ini menggarisbawahi peran ganda proyek baik dalam memenuhi kewajiban kontraknya kepada USAID dan dalam memastikan bahwa mitra-mitranya telah dibekali dengan baik untuk melanjutkan pencapaian program setelah berakhirnya IUWASH.

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 beberapa yang telah dilaporkan, berikut adalah beberapa pencapaian utama pada Kuartal ini:

- HR-1: Jumlah masyarakat yang telah memiliki akses ke sumber air bersih yang lebih baik mencapai 2.246.005 atau 93,58% dari jumlah yang ditargetkan (per September 2015);
- HR-2: Jumlah masyarakat yang telah memiliki akses ke pelayanan sanitasi yang lebih baik mencapai 256.055 atau 102,42% dari jumlah yang ditargetkan (per September 2015);

- HR.3: The per unit water cost paid by poor in targeted communities decreased by 53% (per current survey data). This is inline with the target of 20% decrease (as of September 2015);
- HR.4: The number of participants in IUWASH-sponsored trainings reached 97,791 or 97.79% of the target (as of September 2015).
- HR-3: Biaya air per unit yang dibayar oleh masyarakat miskin di masyarakat sasaran telah menurun hingga 53% per data survey yang ada saat ini. Hal ini sejalan dengan target yang telah ditetapkan, yaitu 20% (per September 2015);
- HR-4: Jumlah peserta pelatihan yang disponsori IUWASH mencapai 97.791 peserta atau 97.79% dari jumlah yang ditargetkan (per September 2015).

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

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

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 - 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 and Housing - 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;
- Ministry of Women Empowerment and Protection of Child's Rights -on support to improving capacity of IUWASH partners on implementing Gender Responsive Planning and Budgeting;
- BPPSPAM -on issues related to PDAM performance monitoring and long-term finance;
- PERPAMSI, the Indonesia association of water utilities – on overall capacity building;

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 arahan 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;
- Kementerian Pemberdayaan Perempuan dan Perlindungan Hak Anak dalam mendukung peningkatan kapasitas mitra IUWASH untuk pelaksanaan PPRG (Perencanaan dan Penganggaran Responsif Gender);
- BPPSPAM mengenai persoalan yang berkaitan kepada pengawasan kinerja dan pembiayaan jangka panjang PDAM;
- PERPAMSI, Persatuan Penyedia Air Minum (PDAM) Seluruh Indonesia pada pengembangan kapasitas;

- Perhutani/PTPN, the state run forestry agency, - on recharging and protection 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) – on urban sanitation;
- Australia/DFAT - on several areas of mutual interest under the IndII program;
- Coca-Cola Foundation Indonesia - on aquifer recharge;
- University of Technology Sydney - on enhancing wastewater regulation development;
- Water.Org - on microfinance programming for low-income (MBR) households; and
- Several other USAID offices and programs.
- Perhutani/PTPN, Perusahaan Hutan Negara Indonesia, tentang pengembalian air ke alam dan perlindungan air permukaan;
- Bank Dunia/WSP pada Pengelolaan Limbah Perkotaan;
- ADB pada berbagai bidang pada sektor persediaan air dan pengembangan sanitasi;
- Urban Sanitation Development Program II (USDP-II) yang didanai oleh pemerintah Belanda;
- Australia/DAFT pada beberapa area dengan perhatian yang sama dibawah program IndII;
- Yayasan Coca-Cola Indonesia pada program pengembalian air ke alam;
- University of Technology Sydney dalam penguatan pengembangan regulasi air limbah;
- 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.

In addition to the above, it should be noted, IUWASH began the process of close-down during the quarter and the accompanying table provides principle milestones, including closing events and office closures which will be undertaken in a phased approach. It should be noted, although the offices will close on the dates indicated, some staff in all regions will continue working through the end of May 2016 to facilitate the transition to a new USAID program, IUWASH PLUS.

The overall IUWASH progresses 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 2.4million people. This involves supporting local water utilities (PDAMs) in improving their overall operational issues, as well as addressing important issues related to governance, customer feedback, raw water availability, long-term finance, and other technical and administrative matters. Some highlights during the quarter include:

Selain yang telah disebutkan diatas, perlu dicatat bahwa IUWASH telah memulai proses penutupan proyek pada kuartal ini dan tabel terlampir menjelaskan beberapa tanggal penting terkait kegiatan penutup dan penutupan kantor yang dilaksanakan dengan pendekatan secara bertahap. Meskipun kantor akan ditutup pada tanggal yang disebutkan, perlu dicatat bahwa beberapa staf di setiap daerah akan tetap berkegiatan hingga akhir bulan Mei untuk memfasilitasi proyek menuju program USAID terbaru, IUWASH PLUS.

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 2,4 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 hal-hal lain terkait dengan bidang teknis dan administrasi. Beberapa sorotan dari Kuartal ini termasuk:

- Energy Efficiency Audits and monitoring continued with 14 PDAMs in all IUWASH regions. NRW Reduction monitoring ongoing in 23 PDAMs;
- Completed a draft “Best Practice and Lesson Learned of Efficiency Energy” at 10 PDAMs and prepared for an upcoming national workshop;
- A sample Performance Based Contract for NRW and Energy Efficiency is under preparation and it will be announced jointly with the Ministry of Public Works and Housing during the workshop in March;
- Continued monitoring of 12 completed Master Meter systems in DKI Jakarta, Sidoarjo, Tangerang, Sibolga, Surakarta and Surabaya; as well as the on-going construction of an additional two systems in DKI Jakarta;
- Director of Pam Jaya presented results of the IUWASH Master Meter program in DKI during KSAN in November 2015, and a Master Meter national workshop is planned for mid-February with ADB;
- Support to the development of microfinance for water supply access continued with 19 PDAMs in all IUWASH regions. To date, more than 16,000 households have been connected to piped water supply through microfinance;
- Baseline Climate Change Vulnerability Assessments (CCVAs) were completed for all targeted locations and the finalization of reports will be completed next quarter;
- To date with the support of Coca-Cola Foundation Indonesia (CCFI), IUWASH facilitated the completion of 3,334 infiltration ponds. A total of 307 infiltration ponds have been constructed using IUWASH funding and 29 infiltration ponds were constructed by other partners. 100 additional units are expected to be constructed by the next quarter through collaboration with Nestlé;
- IUWASH completed draft of Climate Change toolkit and training materials and conducted 2 regional Climate Change Impact trainings in North Sumatra (November) and South
- Audit Efisiensi Energi dan pengawasan dilanjutkan di 14 PDAM di seluruh wilayah kerja IUWASH. Pengawasan program pengurangan jumlah NRW masih berlanjut di 23 PDAM;
- Menyelesaikan draf "Praktik Terbaik dan Pembelajaran Efisiensi Energi" di 10 PDAM dan sedang mempersiapkan sebuah lokakarya nasional;
- Sebuah contoh Kontrak Berdasarkan Kinerja (Performance Based Contract) untuk Pengurangan NRW dan Energi Efisiensi tengah dipersiapkan dan akan diluncurkan pada lokakarya yang akan dilaksanakan melalui kerjasama dengan Kementerian Pekerjaan umum dan Perumahan Rakyat (Kemen PUPR) pada bulan Maret;
- Melanjutkan monitoring terhadap 12 sistem Master Meter di DKI Jakarta, Sidoarjo, Tangerang, Sibolga, Surakarta dan Surabaya; serta konstruksi dua sistem tambahan yang masih berlangsung di DKI Jakarta;
- Direktur PAM Jaya mempresentasikan hasil dari program Master Meter IUWASH di DKI di acara KSAN pada bulan November 2015 dan sebuah lokakarya nasional mengenai Master Meter telah direncanakan pada tengah bulan Februari bersama dengan ADB;
- Dukungan untuk pengembangan kredit mikro akses ke persediaan air dengan 19 PDAM di seluruh wilayah kerja IUWASH. Hingga saat ini, lebih dari 16.000 rumah tangga telah tersambung ke pipa persediaan air melalui kredit mikro;
- Dasar-dasar Penilaian Kerentanan Perubahan Iklim (Climate Change Vulnerability Assessment/CCVA) telah terpenuhi di seluruh lokasi target dan finalisasi laporan akan dilaksanakan pada kuartal selanjutnya;
- Hingga saat ini, IUWASH bermitra dengan Coca-Cola Foundation Indonesia (CCFI), telah memfasilitasi penyelesaian konstruksi 3,334 sumur resapan. Total 307 sumur resapan telah dibangun dengan menggunakan dana IUWASH dan 29 sumur resapan telah dibangun oleh mitra IUWASH lainnya. Terdapat 100 sumur resapan yang direncanakan akan dibangun kuartal depan melalui kerjasama dengan Nestlé;
- IUWASH telah menyelesaikan draf toolkit dan materi pelatihan Perubahan Iklim serta melaksanakan pelatihan regional Dampak Perubahan Iklim di Sumatera Utara (November)

Sulawesi (December). Eight (8) more trainings are planned for 2016;

- Technical support for nine (9) Capital Finance projects across all IUWASH regions is ongoing. Together with eight (8) completed capital finance projects, the project is targeting a total of 15 projects;
- In Kota Bogor, (Katulampa) the PPP financed project will now be included in PDAM Business Plan. In MEBIDANG project the initial Feasibility Study is completed and Detailed Engineering Design is ongoing with an estimated budget of over US \$50 million to build the required treatment plant and transmission line with a capacity of over 2,000 l/second.

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:

- The national IUWASH team held a review of ten (10) sanitation-related knowledge documents during a three-day event with Bappenas, MoHA and PUPR;
- Continued close collaboration with PPLP of PUPR in the preparation of 19 SOPs related to UPTD development. These cover areas of general management and administration, human resources development, technical operations, and financial management;
- Initiated dialog with PUPR supporting their Technical Training Centre (Balai Pelatihan) in Bekasi with wastewater management training modules;
- Ongoing development of the project “Sanitation Toolkit” which consists of five (5) volumes, including: (i) summary; (ii) advocacy; (iii) development of a Sanitation Road Map; (iv) establishment of a proper ‘Enabling Environment’; and (v) development of operational capacities. Bappenas, MoHA and PPLP reviews and concurrence will follow;

dan Sulawesi Selatan (Desember). Delapan (8) pelatihan lain direncanakan untuk dilaksanakan pada tahun 2016;

- Dukungan teknis kepada sembilan (9) proyek APBD di seluruh wilayah kerja IUWASH masih berlanjut. Dengan 8 proyek APBD yang telah selesai, proyek ini menargetkan total 15 proyek terpenuhi;
- Di Kota Bogor untuk Proyek Katulampa, proyek pembiayaan melalui PPP kini akan dimasukkan dalam Rencana Bisnis PDAM. Untuk Proyek MEBIDANG, Studi Kelayakan telah selesai dan *Detailed Engineering Design* sedang dilaksanakan. Estimasi dana diatas US\$ 50 juta dialirkan untuk membangun instalasi pengelolaan dan pipa transmisi sebesar 2000 l/detik.

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:

- Tim nasional IUWASH telah melakukan kajian terhadap sepuluh (10) dokumen pengetahuan terkait sanitasi dalam kegiatan bersama Bappenas, Kemenkes dan Kemen PU Pera;
- Kolaborasi dengan PPLP dari Kemen PUPR dalam persiapan 19 SOP pembentukan UPTD. SOP tersebut mencakup area kepengurusan dan administrasi secara umum, sumber daya manusia, operasi teknis dan pengelolaan keuangan;
- Memulai dialog dengan Kemen PUPR dalam mendukung Balai Pelatihan PUPR di Bekasi dengan modul pelatihan manajemen;
- Pengembangan berlanjut dari proyek “Toolkit Sanitasi” yang terdiri dari lima (5) volume, yaitu (i) ringkasan; (ii) advokasi; (iii) pengembangan Sanitation Road Map; (iv) pembentukan “Lingkungan Pendukung” yang layak; dan pengembangan kapasitas operasional. Kajian dan peresmian dari Kemenkes dan PPLP akan mengikuti selanjutnya.

- Based on high demand, the Urban Sanitation Promotion (USP) TOT program is being expanded to multiple locations with a view towards expanding the number of Master Trainers in each project region—and also more closely integrating the TOT program with regional MOH training centers as possible;
- A “Pocket Book” (or Buku Saku) and flip charts for household sanitation systems were completed and reproduced, and a companion flip chart for communal sanitation systems will be finalized and reproduced in the coming quarter;
- A SME Training Guide targeting micro-scale sanitation construction contractors was developed and pre-tested and will be finalized in the coming reporting period;
- In collaboration with PUPR, a wastewater effluent study was initiated to identify suitable sanitation system models that comply with GOI effluent standards (“SNI”). This will be finalized in the coming quarter and used to increase the number of models that can be promoted to households;
- IUWASH is collaborating with Bappenas, PPLP and AKOPSI to develop a simple sanitation index (termed the “SanDex”) that can serve as a tool for local governments to monitor progress in sanitation sector development, advocate for increased attention to key areas, and inform program managers at all levels how different local governments are faring in sector development efforts. Further coordination is planned with Bappenas and PPLP;
- With PUPR, IUWASH developed a guide on regular desludging services (or “LLTT”) which describes: the steps of establishing LLTT, tariff calculation, financial management, private sector collaboration, operational issues and SOP, regulations, promotion and marketing strategy, and customer / septic tank census management. The Guide will be completed in the next quarter and used as basis for a planned joint IUWASH-PUPR training program;
- Berdasarkan permintaan yang besar, program TOT Promosi Sanitasi Perkotaan (Urban Sanitation Promotion/USP) telah diperluas di berbagai lokasi dengan harapan dapat menambah jumlah Pelatih Utama (Master trainers) di setiap wilayah proyek- dan sebisa mungkin lebih mengintegrasikan program TOT dengan pusat pelatihan Kemenkes di setiap wilayah.
- Buku Saku dan Flip Chart untuk sistem sanitasi perumahan telah diselesaikan dan direproduksi serta flip chart tambahan untuk sistem sanitasi permukiman akan difinalisasi dan direproduksi pada kuartal selanjutnya;
- Petunjuk Pelatihan UKM yang menargetkan kontraktor konstruksi sanitasi skala kecil telah dikembangkan dan di uji awal serta akan difinalisasi pada periode pelaporan berikutnya;
- Bekerja sama dengan Kemen PUPR, studi efluen air limbah telah dilaksanakan untuk mengidentifikasi model sistem sanitasi yang sesuai dengan efluent Standar Nasional Indonesia. Hal ini akan difinalisasi pada kuartal berikutnya dan akan digunakan untuk meningkatkan jumlah model yang dapat dipromosikan kepada rumah tangga;
- IUWASH bekerja sama dengan Bappenas, PPLP dan AKOPSI untuk mengembangkan indeks sanitasi sederhana (dinamakan “SanDex”) yang dapat digunakan oleh pemerintah daerah sebagai alat untuk mengawasi kinerja dalam pengembangan sektor sanitasi, mengadvokasi untuk perhatian lebih baik di area-area utama serta menginformasikan ketua program di semua tingkatan tentang bagaimana setiap kinerja pemerintah daerah dalam pengembangan sektor. Koordinasi selanjutnya telah direncanakan bersama bappenas dan PPLP;
- Bersama Kemen PUPR, IUWASH telah mengembangkan petunjuk mengenai Layanan Lumpur Tinja Terjadwal (LLTT) yang menjelaskan mengenai: langkah-langkah pembentukan LLTT, perhitungan tarif, pengelolaan keuangan, kerja sama pihak swasta, masalah operasional dan SOP, regulasi, strategi promosi dan pemasaran serta pengelolaan sensus pelanggan/tangki septik. Petunjuk ini akan diselesaikan pada kuartal berikutnya dan akan digunakan sebagai dasar untuk sebuah program pelatihan bersama yang direncanakan oleh IUWASH dan PUPR;

- IUWASH is working with the Institute for Sustainable Futures of the University of Technology, Sydney for enhancing the structure and content of wastewater management policies with the aim of creating a template for use by local governments;
- IUWASH made substantial contributions to Global Handwashing with Soap Day which was held by the MOH in October, as well as the National Conference on Water and Sanitation (Konferensi Air Minum dan Sanitasi Nasional or “KSAN”) held in November.
- IUWASH bekerja sama dengan Institute for Sustainable Futures of the University of Technology, Sydney untuk meningkatkan struktur dan konten dari kebijakan-kebijakan pengelolaan air limbah dengan tujuan untuk menciptakan sebuah contoh yang dapat digunakan oleh pemerintah daerah;
- IUWASH telah memberikan kontribusi substansial pada Hari Cuci Tangan Pakai Sabun yang digelar oleh Kemenkes pada bulan Oktober serta pada Konferensi Air Minum dan Sanitasi (KSAN) pada bulan November yang lalu.

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:

- To date, a total of 89 policies have been signed in 50 cities. This quarter, IUWASH team concluded two policies developed in West Java/DKI /Banten;
- IUWASH continued to conduct advocacy to LG partners to make budget allocations available for several water supply and sanitation programs to be implemented in 2016;
- To-date, twenty (20) CEMs have been launched and implemented in all 5 IUWASH regions. These include websites, radio programs, complaint handling units, and SMS Gateways. The CEM developed this quarter are in Binjai and Tebing Tinggi (North Sumatra), Serang (WJDB), Sukoharjo and Batang (Central Java) and Gresik (East Java);
- Significant progress was registered in the implementation of Gender Responsive Planning and Budgeting (PPRG). All LG partners (Kota Tebing Tinggi, Kab, Malang, Kab. Jombang and Kab. Maros) have developed the required GAP,
- Hingga saat ini, total 89 kebijakan telah ditandatangani di 50 kota/kabupaten. Pada kuartal ini, tim IUWASH telah menyelesaikan dua kebijakan yang dikembangkan di Jawa Barat/DKI Jakarta/Banten;
- IUWASH terus melakukan advokasi kepada pemerintah daerah mitra untuk mengalokasikan anggaran pada beberapa program persediaan air dan sanitasi yang akan diimplementasi pada tahun 2016;
- Hingga saat ini, dua puluh (20) program Mekanisme Keterlibatan Warga (Citizen Engagement Mobilization/CEM) telah diluncurkan dan diimplementasikan di kelima wilayah kerja IUWASH. Hal ini termasuk situs web, program radio, unit penanggulangan pengaduan dan SMS gateway. CEM yang dikembangkan pada kuartal ini terdapat di Binjai dan Tebing Tinggi di Sumatera Utara, Serang di Banten, Sukoharjo dan Batang di Jawa tengah serta Gresik di Jawa Timur;
- Kemajuan signifikan telah dilakukan pada implementasi Perencanaan dan Penganggaran Responsif Gender (PPRG). Semua Pemerintah Daerah mitra (Kota Tebing Tinggi, Kabupaten Malang, Kabupaten Jombang and Kabupaten

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:

GBS and SOW for watsan activities as part of the APBD development process;

- The development of a document detailing lessons learned from IUWASH gender pilot programs was initiated, and in another gender-related activity, collaboration with PKK in DKI Jakarta and Kab. Bandung was further intensified;
- The project progressed in the strengthening of seven (7) CSR forums for LGs across several regions and further began the development of lessons learned materials and development of a national workshop to be held in the following quarter.

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

Maros) telah mengembangkan GAP, GBS dan SOW untuk kegiatan air-sanitasi sebagai bagian dari proses pengembangan APBD;

- Pengembangan dokumen yang merinci pembelajaran dari program percontohan gender IUWASH telah dimulai dan dalam kegiatan terkait gender lainnya, kerja sama dengan PKK di DKI Jakarta dan Kabupaten Bandung telah dilaksanakan secara lebih intensif;
- Proyek IUWASH telah melakukan kemajuan dalam meningkatkan tujuh (7) forum CSR untuk berbagai pemerintah daerah di beberapa daerah dan memulai pengembangan materi pembelajaran dan sebuah lokakarya nasional akan diselenggarakan pada kuartal berikutnya.

Program Hibah

Selama periode pelaporan ini, Program Hibah berfokus pada penyelesaian dan penutupan administratif dari beberapa program hibah secara sukses dan mengawasi program hibah tersisa yang sudah pada tahap akhir penyelesaian.. Program hibah IUWASH mendukung berbagai kegiatan, termasuk kegiatan sanitasi masyarakat, pembentukan UPTD, pengembangan Mekanisme Keterlibatan Warga/Citizen Engagement Mechanism (CEM), Program Master Meter dan kredit-mikro untuk sanitasi.

Rencana untuk Kuartal Berikut

Kuartal berikut merupakan kuartal kedua dari tahun terakhir proyek (PY6), dimana IUWASH akan meneruskan baik implementasi program berkualitas kepada pemerintah daerah mitra dan menginformasikan kebijakan tingkat nasional. Upaya khusus akan difokuskan untuk penutupan dan penyerahan kegiatan secara bertahap dengan penekanan khusus untuk memastikan keberlanjutan intervensi program semaksimal mungkin dengan mitra-mitra proyek.

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
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
DFAT	Department of Foreign and Trade (Australia)
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 (DFAT)
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
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
PUPR	Pekerjaan Umum dan Perumahan Rakyat /Ministry of Public Works and Housing
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

Tackling Climate Change: 800 Infiltration Ponds Constructed in Malang District

Malang district's dwindling supply of raw water is being replenished through a joint program between USAID IUWASH and Coca-Cola Foundation Indonesia (CCFI). More specifically, in mid-December 2015, the Governments of East Java Province and Malang District, CCFI and USAID IUWASH inaugurated 800 new infiltration ponds that are expected to conserve about 384 million liters of rainwater into the ground per year.

The inauguration event was held in Balesari village, Ngajum sub-district of Malang, and was attended by provincial and district officials as well as Acting Deputy Mission Director at USAID Indonesia, and the Deputy Director of CCFI. Saifullah Yusuf, the Vice Governor of East Java Province said, "This initiative is highly appreciated as it helps us adapt to the impact and on-going threat of climate change which is apparent through longer dry seasons and more intense rainy seasons which often result in increased flooding. It is reported that the yield of water from 48 springs in Malang district have decrease by 20-40 percent. We believe that the infiltration ponds, as part of a broad local water conservation program, will support our efforts to restore these critical sources of water for our population."

The Acting USAID Deputy Mission Director, Nancy Fisher-Gormley, also highlighted the importance of this initiative. As she stated, "The infiltration pond initiative by CCFI and USAID IUWASH are an important long-term contribution to securing the local water utility's raw water resources. It will benefit about 1,500 households in Malang District with improved water supply as well as better flood control. USAID extends its appreciation to CCFI and the Provincial Government of East Java for the invaluable support they offered in implementing this program."

As Mr. Suminto from Balesari village shared, "Rainwater usually just runs-off the land and flows into the ditch and road in front of my house. I never thought that we could channel it into the ground until we began to construct infiltration ponds in our yards. Now, we are able to improve groundwater supplies and avoid flooding at the same time."

The construction of 800 infiltration ponds in Malang District began in September 2014 and took about 15 months to complete. The ponds are divided among two sub-districts, namely Ngajum sub-district (for a total of 528 ponds in Balesari, Jambower and Kampung Baru vilages) and Lawang sub-district (for a total of 272 ponds in Tegalrejo, Bedali and Ketindan villages).

According to the Deputy Director of CCFI, Triyono Prijosoesilo, this initiative is part of Coca-Cola's global Water Replenish program which seeks to restore to nature as much water as they use in their production processes. In East Java Province alone, CCFI in collaboration with IUWASH has constructed a total of 1,725 infiltration ponds (in Batu city and Malang and Mojokerto districts). Under the broader collaboration between CCFI and USAID IUWASH, a total of 3,334 infiltration ponds have thus far been constructed in multiple locations throughout Indonesia.



PRYATIN M. SANTOSO/IUWASH JAKARTA

Inauguration of infiltration ponds held in Balesari village of Malang District on December 14, 2015.

Program Site Location Map



Section I

INTRODUCTION

This is the nineteenth Quarterly Progress Report (QPR) issued under the USAID Indonesia Urban Water, Sanitation and Hygiene (IUWASH) project. This report covers the performance period of October 01 through December 31, 2015, and includes detailed information on accomplishments and issues encountered during the reporting period and cumulatively over the life of the project. These are set forth according to the project's main areas of activity - water supply, sanitation, "cross-cutting" and key program management considerations. Its development is very much a team effort with contributions from all staff and it is meant to be widely shared.

This QPR covers the first quarter of what is referred to as Project Year 6 (or "PY6") during which IUWASH is working under the theme of "Achieving targets and leaving behind sustainable results". This theme underscores the dual role the project. The role of meeting its contractual obligations to USAID and ensuring that its many partners are well-equipped to continue the progress achieved IUWASH after the conclusion of the project.

IUWASH IN BRIEF

The USAID Indonesia Urban Water, Sanitation and Hygiene (IUWASH) Project, Contract No. AID-497-C-11-00001, is a five-year, \$40.7 million initiative 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. The Project is expected to result in the following benefits to Indonesia:

- 2,400,000 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.

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 improvements in access 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.



Figure 1. IUWASH Conceptual Framework

Corresponding to these intermediate results are three technical components that together contribute to increased access to water and sanitation services (see 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 operating within this overall framework, project planning, coordination and monitoring and evaluation also takes place on a “sector basis” wherein tasks are organized as related to the water supply sector, sanitation sector or cross cutting areas that are common to each.

While IUWASH is designed around the three above components, project workplanning and reporting continues to be based on the project’s two main sectors of intervention (water supply and sanitation) and those “crosscutting areas” that are common to each. These areas of activity are set forth as follows:

Water Sector	Sanitation Sector	Cross-Cutting
WS 1 PDAM Operations	SAN 1. Individual Sanitation Systems	CC 1: Local Gov’t policy dev’t
WS 2 PDAM Finance	SAN 2. Communal Sanitation Systems	CC 2: Local Gov’t budget allocations
WS 3 PDAM Customer Relation	SAN 3: Off-site sanitation (sewerage)	CC 3: Citizen engagement mechanisms
WS 4 Raw Water / Climate Change	SAN 4: Urban Sludge Management	CC 4: Gender mainstreaming
WS 5 Microfinance	SAN 5: Support Pokja Sanitasi/AMPL	CC 5: Mobilizing CSR funding
WS 6 Master Meters		
WS 7 PDAM Capital Investment		
WS 8 PDAM Governance		

Operationally, IUWASH has a central office in Jakarta, regional offices in Medan, Semarang, Surabaya and Makassar, as well as satellite and liaison offices among the majority of its partner municipalities. Through this structure, IUWASH aims to assist 54 municipalities in increasing access to safe water and improved sanitation facilities.

SUMMARY OF ACHIEVEMENTS

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

- **8,225 people** trained in IUWASH training activities, with women accounting for **32.83%** of all training participants. The total budget spent in support of this training was US\$213,894.03;
- **24 master trainers** participated in Training of Trainer (TOT) on Urban Sanitation Promotion;
- **Eight (8) Small Medium Enterprises (SME)** were assisted in expanding their services to sanitation system development;
- **17 people from IUWASH partner organization** increased capacity in climate change adaptation topics;
- **Two (2) new policies** were signed by LG partners in support of watsan sector development;
- **USD \$240,413.23** was leveraged in support of WatSan service expansion;
- **1,878 households** obtained new water connections (1,328 households) and improved sanitation facility (550 households) through microcredit initiatives;
- **6 (six)** Local Government partners developed Citizen Engagement Mechanism to support WatSan improvements.

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

ORGANIZATION OF THIS REPORT

All of the above and much more are examined in greater detail in the following sections of the QPR which include:

Section 2, Success Stories: This section provides a compilation of noteworthy milestones and activities or events that exemplify the project's work and impact.

Section 3, High-Level Results and Component-Level Progress: This section summarizes key achievements to date, as well as progress, issues, and plans for the next quarter that relates to the project; in the water supply sector, in the sanitation sector, and among cross-cutting areas of activity.

Section 4, Grants Program: This section describes the status of grant activities under IUWASH across all regions and sectors of involvement.

Section 5, National-Level Activities: This section details progress, issues, and plans for the next quarter that relates to general project management, project communications, monitoring and evaluation, and environmental compliance.

Section 6, Project Monitoring and Evaluation: This section explores in greater detail the project's progress and achievements registered to date and during the reporting period with regard to each targeted result and outcome.

Section 2

SUCCESS STORIES

SUCCESS STORIES OF WATER SUPPLY SECTOR

Sibolga city Protect Raw Water Sources with Mayoral Regulation

Sibolga, North Sumatra - The Government of Sibolga city is stepping up their efforts to protect raw water sources. With assistance from IUWASH, a mayoral regulation no. 12/2015 on Raw Water Protection was formally issued in 2015 securing sufficient clean water supply for over 85,000 people.

Located in the natural harbor of Sibolga Bay on the West coast of North Sumatra Province, this port city has climate change vulnerability in its raw water supply. The catchment area of the PDAM's raw water sits at Central Tapanuli, about 18 kilometers from Sibolga city.

According to PDAM Tirta Nauli of Sibolga, their hilly topography ranges from 0 to 900 meters above sea level.

This poses serious risk of gradual decline in discharge from their major water intakes in five watersheds namely Aek Sarudik, Aek Parumbunan, Aek Hopong, Aek Doras and Lubuk Sihopik.



IUWASH NORTH SUMATRA
Tombur Harahap, the Head of LHKP Office of Sibolga city.

To improve access to clean water for Sibolga city, IUWASH focused on accelerating improvements to overall performance and increasing long-term production capacity of PDAM Tirta Nauli. To that effect, IUWASH collaborated with PDAM and relevant local government agencies to conduct a climate change vulnerability assessment on raw water supply in Sibolga city prior to the development of city's climate change action plan. In addition, IUWASH also facilitated the development of a local regulation to support the climate change program. As a result, Sibolga now has a Mayoral Regulation no. 12 Year 2015 on Raw Water Protection.

Syarfi Hutaaruk, the Mayor of Sibolga said, "We had received eight Adipura Awards (national award for city's landscape and hygiene) but we have never received the Adiwiyata Award (national award for city's environmental sustainability and school hygiene). We hope that the Mayoral Regulation no. 12/2015 on Raw Water Protection will be a good start to support local government efforts on preserving nature for our future generation. And in this regard, we fully encourage that environment preservation also should be started as earlier as possible, through school education."

As a demonstration of their commitment to protecting raw water sources, the Government of Sibolga city has built 12 infiltration ponds through their Special Allocation Fund or DAK on fiscal year 2015. These include three infiltration ponds built around Aek Sarundik catchment areas and nine infiltration ponds built in schools nearby. Currently, the city is identifying possible collaboration with the private sectors to leverage CSR funds to expand the infiltration pond program.

The Head of Sibolga city's Environmental, Hygiene and Landscape Office (LHKP), Tombur Harahap, said. "The Mayoral Regulation on Raw Water Protection has been socialized to other local government agencies on various occasions to increase their awareness and local budget on climate change adaptation. We are now trying to access alternative funding from other resources".

GEMARSI as a pioneer of water and sanitation development in Serang District

Serang, West Java – Since 2014, IUWASH has assisted the Local Government of Serang in the development of a citizen engagement mechanism (or “CEM”) in order to better engage area residents in water and sanitation sector decision-making. Based on discussions among various stakeholders, it was agreed that a public participation mechanism would be established through a community forum named *Gerakan Masyarakat Sadar Air Bersih dan Sanitasi* (GEMARSI). Through greater citizen support for the sector, this forum aims to support local government in improving the district’s ability to achieve the Universal Access target set forth by the GOI nationally.



Launching of ‘Gemarsi’ forum to support the development of citizen engagement mechanism in Serang district.

GEMARSI was formally established on 10 July 2015 through Bupati Decree Number 690/Kep.520-Huk.Org/2015 which formally established the *Gerakan Masyarakat Sadar Air Bersih dan Sanitasi* for the period of 2015-2018. Members of GEMARSI consist of representatives from various elements of the community, including local government, environmental groups, academia, and the media. The organizational structure of GEMARSI consist of a chairman, a vice chairman, a secretary, a treasurer, a water division, a sanitation division, a publication division, and a community empowerment and participation division.

Based on the Bupati Decree, GEMARSI’s main tasks are: i) Support the local government in WatSan program implementation; ii) Mobilize and increase community participation in improving access to water and sanitation; iii) Develop and implement workplans for each division of the forum; iv) Implement cooperation with relevant parties; v) Conduct promotion on safe water and improved sanitation; and vi) Report the results of forum activities to the Bupati.

To ‘go public’, the Local Government launched GEMARSI on November 13, 2015 at Aula TB Suwandi, Serang. In this event, the Local Government introduced GEMARSI as a community forum which will pioneer water and sanitation development in Serang district. The event also served to increase public awareness of water and sanitation conditions and encourage people to support the forum’s activities. This event was attended by 125 people from the local government, the local parliament (DPRD), religious leaders from the Indonesian Council of Ulama (MUI), the Healthy District Forum (FKSS), several non-governmental organizations, and the media. In his opening speech, District Secretary of Serang, Lalu Athorussalam, said “The achievement of water and sanitation access in Serang district is still far from expectation.

The establishment of GEMARSI is one of our strategies to achieve Universal Access. The chairman of GEMARSI, Memed Muhamad, also outline the initial work of the Forum, including workplan development and consultation with the district’s Pokja AMPL to ensure complementarity of work.

Climate Change Adaptation Included on The PDAM Business Plan

Batang, Central Java - One of the major challenges facing PDAM of Batang District is decreasing discharge of springs, up to 10%, used as raw water sources.. During the recent long dry season, the Bismo Spring, one of the PDAM Batang’s main raw water sources decreased by 20 to 30 percent due to the effects of climate change and land use conversion around the water catchment area.

To tackle this critical issue, PDAM Batang with support of IUWASH, included the climate change adaptation through ‘raw water sources conservation’ program in its new business plan for the period of 2016 - 2020.

The business plan development process started with the identification and analysis of internal factors to assess PDAM’s strengths and weaknesses. This also included mobilizing resources to ensure implementable strategy to achieve the targets. Furthermore, external factors such as customer relations and raw water supply were also analyzed and taken into serious consideration during this stage. To identify these factors, IUWASH



IUWASH CENTRAL JAVA
The Director of PDAM Batang, Yulianto (left) shared the official business plan signed by Bupati to IUWASH team and expressed his gratitude for the supports.

facilitated Customer Satisfaction Survey to determine the areas of service improvement which are needed to be prioritized by PDAM. IUWASH in collaboration with LPPM of Diponegoro University also facilitated the PDAM to conduct Climate Change Vulnerability Assessment for Batang district, Central Java.

The Director of PDAM Batang, Pak Yulianto said: "IUWASH provides us with very important assistance not only during the business plan development but also on various technical aspects. Compared to our previous business plan which lacked of strategic implementation, our new business plan is now more comprehensive because it incorporates a climate change action plan as our strategy to anticipate raw water supply in the next five years."

The Mayor of Batang district, Yoyok Riyo Sudibyo has already signed PDAM Batang’s Business Plan 2016-2020. The Local Government of Batang district also adopted a climate change adaptation action plan by allocating district budget (APBD). The budget includes reforestation program and infiltrations ponds construction around the water catchment areas to conserve springs. These springs are, valuable raw water sources for PDAM to provide sufficient drinking water for about 800,000 people of



IUWASH CENTRAL JAVA
The Head of Batang district, Yoyo Riyo Sudibyo expressed his strong support toward PDAM improvement as his remark on the PDAM’s business plan foreword.

Batang district’s.

Banks in East Java Provide Billions Rupiah as Microfinance for Piped Water and Toilets

Jombang, East Java - Five major banks in East Java Province (BRI, Bank BSM, Bank Jatim, Bank UMKM Jatim and Bank Jombang) are developing microfinance schemes to expand basic services on safe water and sanitation facilities. Bank Jombang, for example, has provided Rp 2 Billion in microfinance loan to construct 2,000 toilets for the district's low-income families. Since December 2015, Bank Jombang also provided microfinance for piped water which reaches 20 household connections as of January 2016.

The Director of Bank Jombang, Affandi said, "Microfinance scheme actually suits our bank's mission to support Local Government of Jombang district on increasing the health level of district's population. After several IUWASH facilitation, we also start to support the Government of Indonesia's Community-Based Total Sanitation (STBM) program. This includes providing clean water and proper toilets through affordable microfinance scheme".



IUWASH EAST JAVA

Director of Bank Jombang discussed on microfinance for water and sanitation with IUWASH COP, Louis O'Brien and team.

In Sidoarjo district, PDAM Delta Tirta of Sidoarjo district has maintained a good long cooperation with Bank Rakyat Indonesia (BRI) on developing microfinance for water. IUWASH continues to support the successful assistance through the MoU revision between PDAM and BRI Sidoarjo Branch Office which was signed in 2014. Since then, PDAM has optimized their marketing and obtained 2,000 household connections through this scheme. "It is a great synergy leading to real benefits for the poor. PDAM Delta Tirta and BRI offer simple payment options and it makes customers' long-awaited hope to have piped water comes true, even when they have little money. Expensive down payment and installation fee always become a burden for low income people to become PDAM customer. Microfinance is the best solution, not only to help new customers but also ease PDAM's financial burden in terms of loan arrears." said the Director of Services at PDAM Delta Tirta, Bhima Arisdiyanto.



IUWASH EAST JAVA

MoU signing between BRI and PDAM Mojokerto to boost microfinance for water connection, witnessed by the Head of Mojokerto district.

Meanwhile in Mojokerto district, the PDAM supported by BRI, BSM, Bank Jatim and Bank UMKM Jatim has developed microfinance scheme for piped water connection since 2011. Through this scheme, over 3,500 households (around 17,500 people) in Mojokerto district now enjoy piped water connections. IUWASH supports includes developing SOP on microfinance, MoU with BRI, training on promotion and marketing strategy, and others. "Microfinance really helps to expand PDAM services and low income communities are excited about it. We hope that PDAM Mojokerto will be able to increase its service coverage each year with financial support from banks." said Sutrisno, the Head of Customer Relation Section at the PDAM Mojokerto.

Infiltration Pond: Conserving Water Resources in Bantaeng district

Bantaeng, South Sulawesi - The climate change vulnerability assessment and study conducted by IUWASH and PDAM in Bantaeng district of South Sulawesi concluded that the district will potentially encounter drought, floods and increased sea level rise which will affect the water resources in the coming years. This study result was already shared with the relevant district government agencies or SKPDs through a workshop held on November 2015 prior to the climate change vulnerability adaptation and action plan implementation in Bantaeng district.

A part of the program, IUWASH supported the formation of and strengthening of the capacity of community-based organizations in Kempala village, Ere'merasa subdistrict of Bantaeng. Currently, 11 infiltration ponds have been constructed around Ere'merasa Spring, which not only benefits the PDAM of Bantaeng district, but also the local community living near the spring who manages the local tourism spot, a natural swimming pool.

In general, the climate change adaptation and action plan programs implemented by the Government of Bantaeng district are as follows: i) Socialization on water resources or springs protection for five upstream areas located in Ere'merasa, Tompobulu, Sinoa, Uluere and Bisapuq conducted by the District Public Works Office and IUWASH; ii) FGD on planning the infiltration ponds construction in 11 locations, which later will be replicated for 18 additional infiltration ponds constructed through the District Forestry Office budget for fiscal year 2016; iii) Conduct survey of the district's water resources and springs by the District Public Works Office of Bantaeng district; and iv) the Development of District Regulation on Environmental Protection Reward or 'Peraturan Daerah Imbal Jasa Lingkungan' to encourage communities' efforts and contributions to protect upstream water resources.



IUWASH SSEI

One of the infiltration ponds constructed in Kempala village, Bantaeng district



IUWASH SSEI

FGD to discuss the location of infiltration ponds construction.

The implementation of CCVA program activities in Bantaeng district has increased community and local government's awareness and knowledge towards climate change vulnerability. Their active participation in program and budget planning until its implementation is pre-requisite for the program sustainability.

SUCCESS STORIES OF SANITATION SECTOR

Badak Bejuang WTTP Benefits 400 Families in Tebing Tinggi city

Tebing Tinggi, North Sumatra - The Wastewater Treatment Plant (WTTP) 'Badak Bejuang' in Tebing Tinggi city was built in 2012 funded by the national budget or APBN and then the househouse connections was constructed in 2013 through the local budget or APBD. Although, the WTTP was completed in 2013, It took another two years for WTTP to be fully operationalized for the first time in November 26, 2015.

To optimized the capacity of WTTP Badak Bejuang, IUWASH supported the UPTD PAL of Tebing Tinggi city on developing DED and promotional activities in order to get more and more households to connect to WTTP which is designed to serve 400 families.



IUWASH NORTH SUMATRA

The WTTP 'Badak Bejuang' in Tebing Tinggi city.

Prior to the WTTP Badak Bejuang operation, IUWASH helped the UPTD PAL to conduct verifications on household wastewater connections and provided technical training on operation and maintenance (O&M) for the WTTP operator, including developing UPTD institutional management and local regulations. The management of WTTP Badak Bejuang eventually received appreciation from the Director of Water, Sanitation and Hygiene at the Ministry of Foreign Affairs and Trade of Australia, Marcus Howard during his visit to review the WTTP Badak Bejuang in Tebing Tinggi city.

The Mayor of Tebing Tinggi, Umar Zunaidi Hasibuan hoped that there will be many sanitation infrastructures built in his city. "The WTTP Badak Bejuang is now well operated to serve 400 families. We would like to thanks IUWASH to help optimize its function and increase the capacity of UPTD PAL as the operator. And, particularly for sAIG's (Australia Indonesia Infrastructure Grants for Sanitation) to construct the WTTP Badak Bejuang. We hope that such incredible collaborations will be expanded for boarder areas."



IUWASH NORTH SUMATRA

A truck of UPTD PAL Tebing Tinggi conducted regular desludging on communal WTTP.

Tebing Tinggi is one of sAIG's grantees for WASH program implemented through output-based system to support the national and local governments' budget. Through this program, local governments are able to reimburse the allocated budget to construct clean water and sanitation facilities to sAIG when the facilities are already well operated. IUWASH supports the sAIG program and governments in IUWASH working areas to accelerate WASH sector development.

The Head of Bappeda of Tebing Tinggi, Gul Bakhri Siregar said, "It is a great collaboration. Sometimes, local governments are lack of local budget for WASH sector. However, there are many opportunities to leverage additional funding from donor and other parties in order to achieve the target of Universal Access by 2019. I hope

that there will be more alternative funding and program for WASH development in the coming years. As local government are ready to support the programs."

KPP UMKM’s Innovative Microfinance Scheme Won an AMPL Award 2015

Jakarta - KPP UMKM Syariah from Tangerang district of Banten province received the AMPL Award 2015 for non-governmental institutions category, together with other four organizations. KPP’s microfinance scheme for water connection and sanitation facilities was recognized as an innovative effort to support the Government of Indonesia in achieving the ‘Universal Access of 100–0–100’ target by 2019. The award was handed over during the National Conference on Sanitation and Drinking Water (Konferensi Nasional Sanitasi dan Air Minum/KSAN) held in Jakarta on November 11, 2015.



KPP was established in 2002 to help improve the economic situation of the poor through providing loans for small and medium enterprises, home industry, school fees, and home renovation. Later, through IUWASH advocacy, KPP further developed new microfinance schemes for water connection (namely *Mikro Tata Air*) and toilet with proper septic tank (*Mikro Tata Sanitasi*) under the home renovation loans ‘*Tata Griya*’. The Director of KPP UMKM Syariah, Kamarudin Batubara said, “We are committed to optimize KPP’s function to be one of the institutions which its members can rely on to improve their welfare and health. We aim to provide poor families, especially our members, to have clean water and sanitation facilities as it is crucial to improve their life’s quality”.

In Tangerang and Serang districts, KPP currently serves 18 sub-districts or 248 villages with a total of 111,000 members with staff of 371 people. As per December 2014, the total asset of KPP reached IDR 188 Billion. However, KPP once had unsuccessful ‘*Tata Griya*’ scheme implementation. Thus, they were very happy when IUWASH provided training on sanitation promotion and toilet design with septic tank construction in accordance with the Indonesian Standard (SNI). Equipped with these training, KPP was able of expanding its marketing of *Mikro Air* and *Mikro Tata Sanitasi* schemes. The demand for their services eventually resulted in a long waiting list of households’ requesting to construct proper new toilets at their homes. Based on KPP’s data, it was determined that almost 40% of its 75,000 total members still do not have proper toilets. KPP needs to find additional funding to be able to response the demands.

IUWASH then linked KPP to other stakeholders who have the same vision of improving sanitation. Through some meetings and facilitation, KPP received grant of IDR 2.3 billion from Water.Org to support its water and sanitation microfinance scheme. Later through Water.Org, KPP also received another financial support from KIVA with USD \$600 for the same scheme. Currently, there are more than 1,500 low income families benefiting from having access to sanitation and clean water connection through this microfinance schemes. After all the hard works, KPP has received three recognitions; an award from the Indonesian Cooperative Ministry as a successful cooperative, followed with award from the Governor of Banten for their innovative microfinance scheme model for water and sanitation, and the recent one is an the AMPL Award 2015 for non-governmental institutions category from the National Development Planning Agency or BAPPENAS.

Surakarta city Commence its First Ever Regular Desludging Service

Surakarta, Central Java - "Regular desludging service (L2T2) is part of our civilized life, especially as part of our efforts to maintain the environment." said the Acting Mayor of Surakarta, Budi Suharto on his speech during the L2T2 Program launch 'Improving the Quality of Environment through Regular Desludging Service' held in the Mayor of Surakarta's Residence, Loji Gandrung on October 23, 2015. The local government of Surakarta has recognized the L2T2 service as a crucial in improving the city's hygiene and health level.

Budi Suharto also stated that the Mayoral Regulation (PerWal) No. 16-A Year 2014 is a good start to enhance the city's significant development on L2T2 service. In the future, Surakarta plans to work with the City Parliament to issue some additional local regulations to support the PerWal in more comprehensive manner. "We hope that L2T2 will soon be 'naturally' our need, rather than just as a mandatory with regards to tackle environmental issues".

The launch ceremony of L2T2 service in Surakarta was officially marked with a desludging trial in the Mayor's residence. The Deputy Mission Director of USAID Indonesia, Derrick Brown then stuck a barcode and scanned it to show that the residence was already received desludging service. The Head of the Drainage Sub-Directorate of the Settlement's Environmental Sanitation Development Directorate of the Ministry of Public Works and Housing, Adi Suharsono Broto, the Mayor of Makassar, Mohammad Ramdhan Pomanto, the Director of PDAM Surakarta, Singgih Tri Wibowo, USAID IUWASH team and representatives of private sector and community also attended this ceremony.



IUWASH CENTRAL JAVA
Desludging trial to officially launch the L2T2 service in Surakarta city.

The wastewater management in Indonesia still needs more improvement. Out of 500 cities/districts in Indonesia, there are only 11 cities/districts which currently have the city-scale sewerage system (Sistem IPAL Skala Kota). And, Surakarta is the only city --out of 35 cities/district in Central Java province with the system in place.



DAAI TV
Deputy Mission Director of USAID Indonesia, Derrick Brown was sticking a barcode to sign that Loji Gandrung has received the desludging service.

"Yet, the city sewerage system is only able to serve 30% of Surakarta's total population by 2020. It is hoped that the sewerage system will be supported through the household (on-site) system in the future. It means the on-site system should work optimally, buildings and homes must have septic systems which are desludged periodically then the wastewater managed professionally by the city." said the Director of PDAM Surakarta, Singgih Tri Wibowo.

Supported by IUWASH and Satker PAMS of Central Java, PDAM Surakarta as the operator of L2T2 service for the city has finalized various stages to enhance the service, including: developed local regulations, L2T2 MIS in the form of barcode scan and mobile application, DED of IPLT Putri Cempo (and done to revitalize the IPLT), cooperated with local private operators, determined L2T2 tariff and socialized the service to public.

Sanitation SMEs in East Java Actively Access the Financial Supports

Jombang, East Java - Small and Medium Entrepreneurs (SMEs) for sanitation in East Java province are now more able to look for additional financial supports to expand their service. After IUWASH grant implemented in 2014, SMEs are provided with 'revolving fund' of Rp 250,000 per one new toilet they built. The result is surprising. SMEs in seven cities/districts of East Java have successfully built 1,500 new toilets within one year through this revolving fund. "We are now hoping to get more capital loans to respond the increasing demand on toilet. With limited capital, I can only built 15 toilets per month. I used to build 30 toilets per month by revolving the incentive fund from IUWASH grant in 2014." said Purwaningsih, one of sanitation SMEs from Jombang district.

Through IUWASH support, Purwaningsih currently collaborates with the National Army of Indonesia or TNI's District Military Command of Jombang district to implement the army's "1 Million Toilets" philanthropic program. The program aims to improve the health of the poor people throughout Indonesia. As a sanitarian from the Pulolor Community Health Center in Jombang subdistrict, Purwaningsih proposed TNI support one of five villages in her working areas which has yet to realize zero percent open defecation practices. Her proposal was granted.

Purwaningsih, equipped with proper knowledge on SNI-standard toilet, which was provided through IUWASH training, supervised the technical aspects of the toilets construction. She also developed a microfinance scheme to cover the additional poor families who requested new toilets.

TNI's "1 Million Toilets" program in Pulolor, Jombang subdistrict started in October 2015. Now, 19 poor families have their new toilets. Dimin (67) from Banjardowo village, Jombang subdistrict of Jombang district is one of the beneficiaries of this program. Dimin finally got a new toilet after more than 40 years practicing defecation in the open. He is willingly to pay his five months installment offered by Purwaningsih.

Meanwhile, Sumarti, the other sanitation SME from Jombang also has successfully collaborated with PNPM program. Prior to access grant from PNPM, Sumarti assessed households without proper toilets in their homes. Through PNPM support, Sumarti has built 20 toilets in Jorong and Sumber Kedawung villages in Leces subdistrict of Jombang district.

Julaikah, one of the beneficiaries from Jorong village said, "I used to defecate in the river, and it often feels itchy. Now, we have our own toilet at home. It is safer and more comfortable for my family, especially for my little daughter." said Julaikah, a mother of two.



Sumarti (in black hijab) with Julaikah and her daughter, showing the new toilet.

GIS Applied to Support Wastewater Management in South Sulawesi

Makassar, South Sulawesi - The Geographic Information System (GIS) has long been applied to support the development and spatial planning of Water Supply System in Indonesia. GIS is important because it provides information and spatial data to manage distribution networks, identify location of troubles and customer information. For the wastewater management, GIS also plays an important role in managing its broad infrastructures.

To increase the capacity of Regional Technical Unit of Wastewater Management (UPTD PAL) in Makassar city, IUWASH provided training on GIS in June to August 2015. The GIS training was focused on developing UPTD PAL's customer data to support the implementation of regular desludging service in BTP residential of Makassar city. As a result of training, UPTD PAL now applies GIS system to other service areas such as government offices, residents in Jl. Sudirman and Jl. Archipelago as well as on the communal WWTP which serves 103 households.



SELVIANA HEHANUSSA/IUWASH SSEI

Training on GIS and Spatial Database for six UPTD PALs in South Sulawesi and Eastern Indonesia region.

Syukro, the UPTD PAL of Makassar city staff said, "GIS program is really helpful. Now we are able to track the customers' location, develop the inventory of wastewater facilities and their progress. It eases our works to monitor the wastewater management in Makassar city".

IUWASH also introduced GIS to six other UPTD PALs in South Sulawesi and Eastern Indonesia regions, including the cities/districts of Parepare, Ambon, Jayapura, Maros, Bantaeng and Pinrang. Through a three-day workshop, the participants from UPTD PALs were facilitated to develop their own digital data using a GIS program. This participatory training allowed for the participants to learn GIS hands-on and allowed the participants to directly process their data. The participants were very happy to attain new GIS skills and they identified that, the most important part of GIS is the data input process as it will be used to improve the program in their respective UPTDs.

Diana Primayanti, one of the participants from UPTD PAL of Ambon city happily shared, "I am grateful to know that GIS program can also be used to collect customer data and develop wastewater inventory. Although the training was quite brief but it is very interesting to understand the early stages of GIS program. I would practice more for my office, UPTD PAL of Ambon city".

While Rivai, the staff of UPTD PAL in Maros district hoped that the GIS program will be further developed and applied in his UPTD. "I would propose the head of UPDT PAL Maros to equip the GIS team with sufficient equipment. It is because GIS is very important to advance our wastewater management in Maros district." said Rivai.

Section 3

HIGH LEVEL RESULTS & COMPONENT LEVEL PROGRESS

INTRODUCTION

In this section, we present a detailed account of the project's overall progress towards achieving' High Level Results as well as information on the progress, issues, and plans within three project components and the grants program. As indicated in Section 1, IUWASH recognizes that all three components and the grant program support and reinforce each other. Thus, the outcomes are inextricably linked to an extent where success under one component cannot be achieved if there are no corresponding successes in the other two. Accordingly, we also 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, especially the first two results listed below. These results directly and significantly contribute to the achievement of the project’s broader goal of assisting the GOI in accomplishing its MDG targets in water supply and sanitation. Since this is the first quarter of the PY6, this report only updates the fourth HR. The results for the other HRs reported semi-annually, will be reported in the next quarterly report including, HR-3, because no Water Cost survey was conducted this quarter. However, the progress and the most up-to-date status of all HRs is presented in the table below. This includes a breakdown of: the Life-of-Project (LOP) targets; the cumulative achievements through the end of September 2015 (the end of PY5); the results achieved in the first three months of PY6; the cumulative total since the beginning of the project; and the project’s internal target for PY6 that is included for reference.

As stated already in the last quarter, IUWASH has surpassed the life of project targets for all four High Level Results. This quarter, IUWASH received a contract modification that changed the target for HR-1 (new target is 2,400,000 people with increased access to safe water supply services) and HR-4 (new target is that 100,000 people participate in IUWASH training related activities). With these new targets, the deliverable for HR-1 and HR-4 are still below the Life-of-Project (LOP) target (93,58% for HR-1 and 97,79% for HR-4).

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

IUWASH High Level Results	Indicator	LOP Target	Cumulative thru 09/15	Achievements made in PY6	Total Achieved thru Dec 2015	PY6 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	2,400,000 (*)	2,246,005	0	2,246,005 (93,58%)	899,750
HR.2: People gain access to improved sanitation facilities	Number of people in urban areas gain access to improved sanitation facilities	250,000	256,055	0	256,055 (102.42%)	50,460
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%	53% (**)	0	53% (***) (267%)	20%
HR.4: Participants trained	Number of people participated in IUWASH training type of activities	100,000 (*)	89,566	8225	97,791 (97.79%)	10,600

(*) New Target

(**) 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 in the previous quarters. 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 the other targeted outcomes are 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 2.4 million people (equivalent to 480,000 households). To achieve this, IUWASH provides direct support to 50 local water utilities (PDAMs), strengthening their internal operation (technical, financial, customer service) and the external environment, including (i) support to local decision makers; (ii) protection of raw water sources which include climate change adaptation planning; and (iii) mobilizing capital expenditure financing for service expansion. The result of these combined effort improves services for all PDAM customers, including low-income households who benefits most from a strong and financially healthy PDAM. Details IUWASH activities up to the end of December 2015 can be found below and in the Water Supply Matrix in Annex I.

IUWASH interventions for the Water Sector are grouped under eight programs which are listed in the accompanying box. While the achievements of the eight programs during this quarter are described separately in this section, they are closely interconnected and all play a crucial role in improving PDAM performance.

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 for this Quarter

This section summarizes the main achievements in water supply component during the first quarter of PY 6, arranged by signature programs and the other achievements.

Signature Programs: These are an innovative approaches that can be used as examples by GOI and/or donor agencies and implemented through direct assistance from IUWASH experts as well as subcontracted third parties. The main achievements of the water supply signature programs over the past quarter were as follows:

- *PDAM Energy Efficiency and Non-Revenue Reduction:*
 - Energy Efficiency Audits and monitoring continued with 14 PDAMs in all IUWASH regions. NRW Reduction monitoring ongoing in 23 PDAMs;
 - IUWASH completed draft “Best Practice and Lesson Learned of Efficiency Energy” at 10 PDAMs and preparing the results for upcoming workshop;
 - Example Performance Based Contract under preparation and agreed with the Ministry of Public Works and Housing to announce during a joint workshop in March 2016.
- *Water for the Poor:*
 - Monitoring implementation of 12 completed Master Meter in DKI, Sidoarjo, Tangerang, Sibolga, Surakarta and Surabaya; Master Meters programs still ongoing in DKI (2 systems in Tanah Merah);
 - Director of Pam Jaya presented IUWASH Master Meter program in DKI during KSAN in November 2015;
 - Planning started for a joint Master Meter workshop (mid February 2016) with ADB, with focus on DKI, but also sharing experiences from other IUWASH Locations;
 - Micro finance for increased water supply access continuing with 19 PDAM in all IUWASH regions; through December 2015, around 16,483 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 14 locations completed (only requires final layout) and the remaining reports will all be completed in next quarter;
 - Completed 3,670 infiltration Ponds (307 by IUWASH, 3,334 with CCFI, and 29 with other). Also IUWASH started partnership with Nestle for additional 100 infiltration ponds in Probolinggo;
 - IUWASH completed draft of Climate Change toolkit and training materials and conducted 2 regional Climate Change Impact trainings in North Sumatra (November) and South Sulawesi (December). Eight (8) more are planned for 2016.

- *Capital Investment Financing:*
 - Technical support for nine (9) Capital Finance project across all IUWASH regions is still ongoing, which together with the eight (8) completed projects, will achieve the target of 15 projects supported by IUWASH;
 - Good progress in Kota Bogor (KartuLampa) where the PPP financed project will now be included in PDAM Business Plan ; The initial feasibility study is completed and Detailed Engineering Design is ongoing in MEBIDANG where an estimated budget for the project is projected at over USD \$50 million to build treatment plant and piping network with capacity of over 2,000 l/second.

Collaboration with other parties

IUWASHs’ 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, to avoid duplication of effort, and to develop joint programs.

The following table summarizes the main collaborative efforts during past quarter:

Partner	Summary of activities this year (October – December 2015)
Ministry of Public Works and Housing /Water Supply	Regular discussions on PDAM Energy Efficiency Audits (Performance Based contracts), NRW reduction (Jakarta), and strengthen PDAM (e-PDAM & PDAM –INFO); Regular meetings to discuss technical requirements to obtain capital financing for MEBIDANG (Medan Binja, Deli Serdang)
BPPSPAM	Regular exchange of experience on PDAM long-term financing and Arranged support to join trianing or unhealthy PDAMs in Ambon
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)	Co-organized training for 7 unhealthy PDAMs in Maluku + plan one more for Papua and West Papua Collaboration for training up to 25 new PDAM managers by YPTD
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
KFW (German Development Bank)	Regular discussion and providing technical information regarding MEBIDANG raw water project in North Sumatra
Coca-Cola Foundation Indonesia (CCFI)	Close collaboration to develop infiltration ponds (<i>Sumur Resapan</i>) in East and Central Java including limited TA for new CCFI program in Magelang
Water.org	Collaboration on promoting micro finance for watsan, including preparation for National microfinance workshop (February 2016)

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);
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:

PDAM Performance Index

Improved performance of PDAMs (technical, financial and institutional) supported by IUWASH is measured through a “PDAM Performance Index (PI)”. Baseline data for each PDAM was collected from all participating PDAMs during PY1 and PY2 and is measured every six months. This is reported in the quarterly report submitted in March (using audited data from previous December) and in September (using unaudited data from June). The next PDAM PI and number of connections (for December 2015) will be the last PDAM data collected by IUWASH and future performance measurements will be done through participatory workshops by PDAMS and stakeholders in each region (February – March 2016). The results will be presented in QPR#20 and IUWASH final report.

Energy Efficiency Audits

High energy costs can account for as much as 30% of PDAMs’ operating cost, especially PDAMS that rely on pumping systems for distribution of water. This decreases financial performance and adds strain of higher energy costs on the budget, which in turn reduces PDAMs’ ability to improve or expand services to customers. However, most PDAM managers are not aware that their energy consumption is inefficient, nor take steps required to improve energy efficiency in their pumping systems.

In five (5) regions, IUWASH continues to support 14 PDAMs (details in the table below) with the EEA. In this quarter, IUWASH continued monitoring and promoting PDAM Management to implement recommendations of previous EEA and completed supported Energy Efficiency Audits at PDAM Maros, PDAM Takalar, PDAM Jeneponto and PDAM Sukoharjo. In addition, IUWASH started a report compiling information on implementation and results of Efficiency Energy Audit at nine (9) PDAMs (Asahan, Tanjung Balai, Langkat, Tebing Tinggi, Maros, Takalar, Jeneponto, Rembang and Sukoharjo).

In the second quarter of PY6, IUWASH plan to conduct Seminar of EE Performance Based Contract process and support another 2 PDAMs to Conduct Energy Efficiency Audit.

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	6 pumps were audited and recommended to recondition 3 and replace 3 for estimated Rp 1.2 billion and payback period between 0.7 - 3 year.

Region	PDAM	Summary of Achievement
West Java Banten DK	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 implement Efficiency Energy Audit results conducted in 2013 by preraring 1 variable speed driver at Kartosuro unit for year 2016.
	Salatiga	4 check valves were installed 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 parallel operation as recommended from EEA conducted in previous quarter.
	Sukoharjo	Of the 17 pumps audited , 8 were recommended to be replaced and for estimated Rp 1,050 million and Pay back period between 2 -3 years.
East Java	Gresik	PDAM replaced 1 intake pump at Legundi as recommended from EEA.
South Sulawesi	Pare-Pare	not yet implemented EEA recommendation due to new PDAM Director.
	Maros	EEA was conducted at 8 pumps. 2 distribution pumps with capacity 10 l/s and 20 l/s are recommended to be replaced for Rp 210 million with payback period 0.8 year and 1.1 year
	Takalar	EEA was conducted at 22 pumps located at 7 IKKs. It was recommended impeller pumps of 3 pumps need to be recondition or to be replaced, estimated Rp 160 million and payback will be between 0.4-1.5 years.
	Jeneponto	15 pumps at 5 WTPs were audited with results that impeller from 2 pumps need to be replaced for estimated Rp 205 million and payback period 0.6 and 1.6 year.
National		<ul style="list-style-type: none"> • Booklet on EEA Best Practice and Lesson Learned at 8 PDAMs completed and preparing to be printed. • Performance Based Contract template and contract mechanism ongoing and plan to conduct seminar on next quarter - Preparing compilation report of Energy Efficiency Audit at 9 PDAMs, expected will be ready next quarter

Non Revenue Water Reduction

Reduction of Non-Revenue water (NRW) is the largest contributing factor for improving PDAM Operational and Financial performance. This is especially true for PDAMs who have limited capacity to connect new customers or have problems with water pressure management. Generally, the NRW levels among majority of PDAMs are very high (often more than 35%) and the aim of the NRW reduction program is to bring it down to 20%.

During this quarter, IUWASH conducted advanced NRW training (23-27 Nov) at Jakarta for PAM Jaya, AETRA and Palyja staff which was attended by 31 participants. The training was divided into the management training level (13 participants) and operations / practical level (18 participants). The training approach combined classroom and on-the-job training. The training topics included; a data requirement, how to calculate water balance, practical guidelines to minimize data error, probability and confidence limit, economic level of leakage, long run economic level of leakage, and practice to define meter reading and administrative error.

Responding to requests by PAM Jaya, IUWASH supported operators (Palyja and Aetra) to calculate the water balance in compliance with the IWA methodology, since data collection and water balance calculation is the responsibility of the operators. To support this process, IUWASH is currently providing follow up by preparing Standard Operation Procedure (SOP) of water balance calculation.

The following is summary of main achievements in NRW Reduction until this quarter:

Region	PDAM	Summary of Achievement
North Sumatra	6 PDAMs	Continue monitoring NRW activities of PDAMs who joined previous training. (Binjai, T. Tinggi, Pem. Siantar, T. Balai, Asahan and Labuhan Batu)
	Langkat	IUWASH mentored PDAM on measuring result of discharge & pressure measurement installed to analyze water flow and possible NRW
West Java , Banten , DKI	PAM Jaya	Advanced NRW training for PDAM Jaya, Aetra, and Palyja. Conducted two (2) times on November 2016 and attended by PAM Jaya, Regulatory Body, and operators (Palyja and Aetra).
Central Java	Kendal	PDAM continues to conduct leak detection at DMAs supported by IUWASH and at replicate area - found leakage of 6.42 l/s
	Sukoharjo	PDAM conducted distribution network mapping at each IKK area in preparation to set up DMA and continues to monitor NRW reduction at DMA Pucangan which was setup supported by IUWASH.
	Rembang	For a time being PDAM will not continue activities to reduce NRW and focus more to solve raw water problem due to the drought.
	Batang	PDAM staffs replicated DMA at unit Bandar with 3,080 customers.
	Salatiga	PDAM continues to monitor and operate DMA Sidomukti and plans to replicate 1 DMA in year 2016.
	Surakarta	PDAM installed bulk meters at 3 locations (Songgo Langit, Pucang Sawit and Sondakan) to monitor water input and NRW at that area. Also PDAM is now including NRW team as part of organizational structure.
	Kab. Semarang	PDAM installed PVC pipe dia 50 mm – 750 meters and HDPE dia. 75 mm – 200 to replace old pipes that cost Rp 56.4 million
East Java	Kab. Malang	Supported by facilitator from IUWASH, PDAM setup DMA at Mangunrejo and at Pakis. PDAM carried out isolation, step test, and found leaks.
	Kab. Probolinggo	Monitoring PDAM performance as a follow-up to previous training programs
	Kab. Mojokerto	
	Jombang	
	Gresik	
	Kab. Sidoarjo	
Kota Probolinggo		
SSEI	Jayapura	Continues to support PDAM to replace /install customer water meter (existing customer, but without water meter):

Distribution Network Improvement

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

In this quarter IUWASH continued monitoring 13 PDAMs with DNI activities as explained in details in table below. 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 quarter:

Region	PDAM	Summary of Achievement
North Sumatra	Tirtanadi	Completed mapping of 1,000 poor households in Belawan. Prepared DED of distribution network to serve Belawan area. SATKER North Sumatra continued install main distribution pipe and Dinas PERKIM Medan strated with secondary and reticulation pipes.
	Langkat	IUWASH continued to support PDAM to complete as-built drawing.
	Tanjung Balai	Continued monitoring progress on DED of distribution pipe for 50 l/s.
WJDB	Bekasi	Continued monitoring progress of DED of Distribution Network for Rp 200 billion investment from APBN and APBD
Central Java	Batang	IUWASH continues to support PDAM to implement recommendations from optimization of distribution network : - Construct new broncaptering at Bimo (5 l/s) and Watulumbang (10 l/s) - Installed transmission pipa dia 100 mm – 2.400 meter at Bismo - Installed distribution dia 50 mm and 100 mm at dukuh Bungkus, Benaran and Pager Punung and dia 150 mm at cabang Bandar
	Rembang	As recommended from DED of optimizing distribution network, PDAM start to replace transmission pipe dia 300 mm at Banyukawung, desa Japa and desa Pangkiran, as well as dia 250 mm at desa Sukaorejo.
	Klaten	IUWAS supported socialization of new connection from reservoir 200 m3 and distribution pipe constructed previously.
	Sukoharjo	IUWASH supported to install bulk meter at 19 services area as part of preparation to set up DMA.
	Lamongan	IUWASH continue to monitor PDAM to optimize distribution system, post-operation of WTP Ploso for 100 l/s.
East Java	Probolinggo	IUWASH continue to monitor the impact of PDAM development of distribution system in the South Area of Kota Probolinggo
	Makasar	IUWASH support PDAM to implement DED of supported by IUWASH
SSEI	Pare-Pare	Detailed design of distribution network completed.
	Takalar	Preparation of DED of distribution network

Production Capacity Optimization

Optimizing production capacity is a critical part of increasing access to piped water and providing direct benefits to customers and PDAMs. In many cases, financing is available from GOI through Provincial SATKER, but often, PDAMs don't have the capacity to conduct technical assessments and develop DED acceptable to SATKER, which provides approval for funding.

This quarter, IUWASH supported Feasibility Study (FS) and DED of MEBIDANG Regional water supply system with 2,100 l/s capacity, which will be allocated to PDAM Tirtanadi Medan (1,500 l/s), PDAM Binjai (300 l/s), and PDAM Deli Serdang (300 l/s). The first stage of this development will require investment of around Rp 850 billion financed by APBN, APBD Province, APBD Kota/Kab, and internal cash from PDAM to produce 1.050 l/s capacity.. The DED will be ready next quarter.

Also in this quarter, to improve the chemical dosing practice at PDAM, IUWASH started to conduct field surveys and to compile secondary data of existing implementation and monitoring of chemical dosing at 15 PDAMs. This included: chemicals used; how PDAM operators calculate chemical dosing; what equipment is used for dosing; how they monitor; Laboratory facilities; procurement and storage of chemicals; and staff qualifications. All field surveys will be completed in January 2016 with the final report ready in February 2016. 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 started construction 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 now operational.
	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.
Binjai	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 obtain financing from APBN 2016 for second phase (20 l/s)
	WTP Regional	IUWASH completed Feasibility Study and the DED is ongoing for Regional water supply system with capacity 2100 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. PDAM is coordinating with GOI and local government to get financial support.
Central Java	Semarang (Jomblang)	Water tower and reservoir for 1,000 low income households completed and connections made.
	Sukoharjo	DED to up-rate WTP completed and construction will start in 2016
East Java	Lamongan	IUWASH provided training on SOP of O&M of WTP Babat that is already uprated from 150 to 190 l/s financed by APBN2015.
	Kota Mojokerto	Training to implement SOP of O&M of production systems completed
South Sulawesi	Jenepono	IUWASH continues to monitor water quality test result every 6 months and will provide refresher training if needed
	3 PDAMs	IUWASH support PDAM Sidrap, Jenepono and. Bantaeng with SOP
	7 PDAMs	IUWASH conducted WQM training to PDAM Pare-Pare, Pinrang, Sidrap, Enrekang, Takalar, Ambon and Jayapura
National	15 PDAM	Evaluating existing implementation and monitoring of chemical dosing

GIS/MIS support

Since 2012, IUWASH has supported PDAMs in establishing and/or improving GIS/MIS capacity, to improve; operation and maintenance of the distribution network, services to customers through better billing systems, and accelerate network expansion. For PDAMs not yet familiar with GIS, IUWASH provides basic GIS training and for PDAMs already using GIS, IUWASH improves and optimizes their capacity utilizing assessment and when requested, introduces MIS for customer data.

In this quarter IUWASH continued facilitating peer-to-peer learning through engaging GIS / MIS specialists from PDAM Kota Malang and Kab Bandung, who already have excellent GIS / MIS system (using open source software)



IUWASH CENTRAL JAVA
Technical support on Energy Efficiency Audit for PDAM Sukoharjo by IUWASH team.

with other PDAMS in various IUWASH regions. These technical assistance includes improvements for both technical systems and customer data systems. IUWASH also continued close collaboration with the Ministry of Public Works and Housing to monitor MIS systems installed at PDAMs Maros and Jenepono.

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

Region	PDAM	Summary of Achievement
North Sumatra	Sibolga Langkat Binjai Pem Siantar Asahan T. Balai	IUWASH continues mentoring to digitize pipeline and customer for 6 PDAMs by 2 GIS facilitators
	Kota Medan	Cooperate with PDAM Kota Malang, IUWASH facilitates PDAM Medan to improve MIS Master Plan which is now completed and ongoing to be printed
WJDB	Kota Bekasi	Collaborate with PDAM Kota Malang, IUWASH facilitates PDAM Kota Bekasi to improve MIS, PDAM Bekasi visited PDAM Kota Malang to see MIS system and operation practice, follow up by PDAM Kota Malang conducted assessment of existing MIS at PDAM Bekasi. The program required to improve MIS PDAM Kota Bekasi already prepared and next quarter will be continued with PDAM Kota Malang to prepare Master Plan of MIS PDAM Kota Bekasi.
	Kab Bekasi	
	Kota Bogor	training of customer data spatial and billing interface to MIS completed
	6 PDAM	Follow-up and monitoring results of previous support by PDAM Kab Bandung and Kota Malang to set up MIS system
Central Java	6 PDAM	Regular monitoring PDAM to implement GIS after training conducted in previous quarters (Kudus, Klaten, Kendal, Kab Semarang, Batang, Sukoharjo)
	Salatiga Rembang	Collaborate with PDAM Kab. Bandung, to improve MI, including visit to PDAM Kab. Bandung and follow up by PDAM Kab Bandung to assess existing MIS at PDAM Kota Salatiga and PDAM Rembang.; short term program to improve MIS at both PDAMs already prepared and agreed and next quarter will be continued to prepare master plan of MIS.
East Java	7 PDAM	continue to monitor GIS progress for Kab Malang, Kota and Kab Probolinggo, Jombang, Gresik, Batu , Kab Mojokerto
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, Jenepono and Bantaeng)
	Maros and Jenepono	IUWASH monitor use of INFO PDAM and E PDAM.
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 in IUWASH regions:

North Sumatra Region

- Supported PDAM Sibolga initiate a step-test as part of NRW;
- Supported Production Capacity Improvement through DED in SPAM Regional Mebidang. Made progress in soil investigation and topographical mapping;
- Finalized and handed over GIS and PDAM spatial data development programs to six (6) PDAMs - Sibolga, Binjai, Langkat, Pematangsiantar, Asahan, and Tanjungbalai; Facilitated development of GIS/MIS for PDAM Tirtanadi through TA and preparation of GIS/MIS system blue print; The blue print was completed and accepted by PDAM Tirtanadi. The facilitator for GIS/MIS development was PDAM Malang.

• **West Java, Banten and DKI Region:**

- PDAM Kota Bekasi installed MIS/GIS system with collaboration of PDAM Kota Malang;
- Successful implementation of water quality monitoring and management in; Kab Bekasi, Lebak, Bogor and Kab Bandung in IPA Pondok Ungu, IPA Kota (Kartini) and IPA Babelan in Kota Bekasi, IPA Malingping and Bayah in Lebak and IPA Cimahi, Soreang and Ciparay in Kab Bandung and IPA Kota Bogor;
- Assisted PDAM Kota and Kab Bekasi with development of SOP for public relations;
- Trained PDAM Kota Bekasi staff and Customer Forum in public relations and field monitoring
- Successfully trained Palyja and Aerta staff in Non-Revenue Water (NRW);
- Assisted PDAM Lebak in relocation of Intake in Kalang Anyar in Kab Lebak. The construction is 80% completed and in Nagrak in Kab Bandung, it just been started.

Central Java Region

- Audited Energy Efficiency of PDAM Kab Sukoharjo (survey, measurement of production capacities, pumps efficiency, and electric system) for 17 pumps. Conclusions: Five (5) pumps are in good condition, Six (6) need repairs, and six (6) needs to be replaced. The recommendations will be implemented on PDAM budget plan year 2016;
- Assessment on Water Quality Monitoring of PDAM Surakarta, Sukoharjo, and Rembang conducted. The assessments focused on chemical dosing system, dosing implementations, dosing equipment, the related human resources, and the water quality monitoring system that has been implemented;
- Facilitated visit of PDAM Salatiga and Rembang to PDAM Kab Bandung to observe and learn best practices for MIS, by the Directors and the Division Heads. PDAM Kab Bandung committed to help both PDAMs with follow up assessments for development of MIS.



IUWASH CENTRAL JAVA

Technical support on Energy Efficiency Audit for PDAM Sukoharjo by IUWASH team.

East Java Region

- Facilitated training of PDAM SOP development in 4 locations: in Kota Mojokerto, 10 SOPs on Production and Distribution are finished; in Kab Gresik, SOP on Customer Relation is finished; in Kab Mojokerto, 17 SOPs are finished (distribution, production, planning, and supervision, NRW management, and piping maintenance); and in Jombang, 14 SOPs are finished (production, distribution, planning, and supervision);
- Monitoring Performance Index of PDAM Sidoarjo and Jombang after several intervention activities;
- Discussed draft final report on GIS with PDAM Kab Probolinggo, Gresik, and Sidoarjo.

South Sulawesi and Eastern Indonesia Region

- IUWASH supported study to Optimize Distribution network for PDAM Takalar for the next fifteen years to prioritize implementation of programs/activities;
- Conducted On the Job Training of EEA - PDAM



IUWASH SSEI

Improving PDAM Production Capacity by IUWASH SSEI Team.

Maros, Takalar, and Jenepono;

- Conducted WQM Training to PDAM Parepare, Pinrang, Sidrap, Enrekang, Takalar, Ambon, and Jayapura. With improved capacity, PDAM staff can address water quality issues;
- Conducted On-the-Job Training of Info PDAM and e-PDAM to PDAM Maros and Jenepono.

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

North Sumatra:

- Update and last workshop of PDAM performance index;
- Report of assessment process and monitoring production;
- GIS/MIS Development for PDAM Tirtanadi by provision of GIS/MIS blue print.

West Java, DKI Jakarta and Banten Region:

- Continued monitoring of the MIS/GIS system just installed in PDAM Kota Bekasi;
- PDAM Performance Index Monitoring will be conducted in all kota/Kabupaten.

Central Java Region:

- Audited Energy Efficiency in PDAM Kab. Sukoharjo;
- Completed workshop on NRW reduction program at 9 PDAMs. Will monitor and encourage the follow-up of NRW reduction program;
- Completed training to integrate GIS into MIS and Billing System in PDAM Rembang and Kota Salatiga.

East Java Region:

- Continued facilitation of NRW reduction program.
- Monitored PDAM GIS for PDAM Kab. Jombang, Gresik, and Probolinggo.

South Sulawesi and Eastern Indonesia Region:

- PDAM's NRW reduction program implemented;
- Monitored PDAM Jayapura on the implementation of NRW reduction program;
- Monitored WQM to PDAM Jenepono, Pinrang, Sidrap, Enrekang, Jayapura, and Ambon;
- Monitored GIS development to six (6) PDAMs;
- Provided report on water supply program to Pemda/PDAM as exit strategy

Program WS 2: Improved PDAM Financial Aspects

PDAM corporate planning

IUWASH, up to this quarter, has provided assistance to Business Plan development of 34 PDAM across the regions and continued its assistance to finalize the ones still in process to obtain Mayors' approval. Two significant activities during this period - First, a local government approved the Business Plan for PDAM Kota Batang and second, PDAM Tirtanadi conducted a public review of its final draft with all stakeholders including the governor of North Sumatera and the other provincial government officials in October. The completed document of Tirtanadi is now being processed for approval from the governor.

During the last quarter, IUWASH also continued to facilitate finalizing business plan documents with some PDAMs. In Jayapura and Sidoarjo some revisions were needed after consultation with local stakeholders before the process of obtaining approval from the Mayor starts..

The table below shows corporate plans supported by IUWASH including status this quarter:

	Location	Progress through QPR 19/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	Final in process – Full document being approved by local government.
5	Kab. Labuhan Batu	Discontinued.
6	Kota Sibolga	Final in process – Full document being approved by local government.
7	Tirtanadi Medan	Final in process – Full document being approved by provincial government.
8	Kab. Karawang	Final with approval from Bupati – 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 Bupati in July 2013.
12	Kab. Lebak	Final in process – Full document being 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 Bupati
15	Kab. Kendal	Final with approval from District Head in May 2013
16	Kab. Kudus	Discontinued.
17	Kab. Semarang	Final with approval from Bupati in August 2015.
18	Kota Salatiga	Final in process – Full document with CCVA study (approved by PDAM director) is included in Corporate Plan. BPPSPAM (PU) has taken over the following process for finalization that include bupati approval step.
19	Kab. Sukoharjo	Final with approval from Bupati (September 2013).
20	Kota Semarang	Final with approval from Mayor in November 2014.
21	Kab. Klaten	Discontinued (Indll to finalize).
22	Kab. Batang	Final with approval from Bupati (September 2015).
23	Kab. Jombang	Final in process – Full document completed, being approved by Bupati.
24	Kab. Probolinggo	Final with approval from Bupati in July 2014
25	Kota Probolinggo	Final with approval of Walikota in November 2012
26	Kab. Mojokerto	Final with approval from Bupati in October 2013
27	Kota Batu	Final with approval from Walikota in October 2013
28	Kab. Lamongan	Final with approval from Bupati in July 2014.
29	Kota Malang	Final with approval from Walikota in February 2015.
30	Kota Mojokerto	Final with approval of Walikota in September 2014
31	Kabupaten Gresik	Final in process – Full document completed, being approved by Bupati
32	Kabupaten Sidoarjo	Final in process – Full document completed, being approved by Bupati
33	Kab. Bantaeng	In process – Full document requires revision
34	Kab. Jayapura	In process – Full document requires revision

PDAM tariff review and billing and accounting programs

Tariff adjustment and reclassification are fundamental aspects in ensuring the financial health of PDAM that has been supported by IUWASH. During this period highlights of activities associated with these aspects include continuation of the customer census in PDAM Maros and Enrekang to be completed in January 2016. In Kota Solo, the Regular Desluding tariff has been included in the new tariff structure of PDAM and approved by the Mayor.

Improvements of administrative system through modernization of billing and accounting for some PDAMs are completed and are currently in monitoring and evaluation stage. In this quarter, IUWASH also started facilitating PDAM Tirtanadi, to conduct the assessment of their existing system and prepare a blueprint for their IT system. To do so, IUWASH has requested PDAM Kota Malang to facilitate the activities.

IUWASH PDAMs receiving tariff adjustment support

	Location	Progress through QPR 19/PY6
1	Kota Sibolga,	Final - Tariff adjustment approved by Mayor in July 2014.
2	Kota Pematang Siantar	Final - Tariff adjustment approved by Mayor in July 2013
3	Kabupaten Asahan	In Process – Tariff adjustment postponed as Bupati request.
4	Kabupaten Karawang	Discontinued due to lack of PDAM engagement.
5	Kabupaten Purwakarta	Final – Tariff reclassification completed and approved by Bupati. Implementation is in September 2015.
6	Kabupaten Lebak,	In Process – Tariff reclassification census completed. New tariff structure is in process for Bupati approval.
7	Kabupaten Serang	Final – Tariff Reclassification for 4,100 customers completed.
8	Kab. Klaten,	Final – Tariff reclassification is approved by Bupati in Dec. 2014.
9	Kota Semarang,	In process – Tariff adjustment proposal in consultation with Supervisory Board.
10	Kab. Sukoharjo,	Final – Tariff adjustment approved by Bupati in June 2015.
11	Kab. Batang,	Final – Tariff adjustment approved by Bupati in January 2014
12	Kota Solo	Final - Tariff reclassification of customer census completed and new tariff includes regular desludging approved by Walikota in July 2015.
13	Kab. Mojokerto,	Final – Tariff adjustment approved by Bupati in February 2014.
14	Kab. Probolinggo	Final – Tariff adjustment approved by Bupati in January 2014.
15	Kab. Lamongan,	Final – Tariff adjustment approved by Bupati in July 2013.
16	Kab. Gresik	Final – Tariff adjustment approved by Bupati in December 2013
17	Kota Mojokerto	In Process – Tariff adjustment needs revision as requested by Walikota.
18	Kab. Jombang	In process – Tariff adjustment needs revision as requested by Bupati.
19	Kota Parepare	Final – Tariff adjustment approved by Mayor in January 2013
20	Kab. Sidrap	Final – Tariff adjustment approved by Bupati in June 2014
21	Kab. Jeneponto	Final – Tariff Reclassification process is completed in August 2015.
22	Kab Takalar	Final – Tariff Reclassification process is completed in July 2015.
23	Kab. Pinrang	Discontinued – Tariff adjustment - PDAM internal issue.
24	Kab Enrekang	Final – Tariff adjustment approved by Bupati in February 2014. In Process – Tariff Reclassification customer census started October’15
25	Kab. Bantaeng	Final – Tariff Reclassification process is completed in August 2015.
26	Kab. Maros	In Process- Tariff Reclassification customer census started November ‘15

PDAM debt restructuring

In the latter part of the last quarter, the program of PDAM debt restructuring continued with efforts to obtain an approval of non-principle items. The Ministry of Finance conducted the reconciliation of the loan balance amount with PDAM in November 2015, which will eventually become the agreed amount for the debt write-off. IUWASH provided limited technical support and going forward, there will be no direct IUWASH involvement as the finalization of agreements involves PDAM and PEMDA and their commitment to the Ministry of Finance.

The following is summary of main achievements under program WS 1 in IUWASH regions:

North Sumatra Region

- PDAM Tirtanadi Business Plan disseminated to multi-stakeholder and the Governor;
- Facilitated in preparing PDAM Asahan Business plan;
- Tariff re-classification for PDAM Tanjungbalai signed and endorsed by the Mayor;
- Monitored implementation of the improved billing and accounting system for 7 PDAMs such as Binjai, Langkat, Tanjungbalai, Asahan, Pematangsiantar and Tebing Tinggi;
- Continued monitoring of PUPN process to re-structure PDAM debt regularly (monthly basis).

West Java, Banten and DKI Region:

- Assisted PDAM Kab Tangerang with the development of their PDAM Business Plan. A more comprehensive one will be discussed further in the next quarter.

Central Java Region

- Business Plan (including climate change adaptation plan) of PDAM Kab Batang finalized through socialization to stakeholders and signed by the Mayor of Batang;
- Business Plan Review of PDAM Kab Semarang and Kota Salatiga with climate change adaptation plan. It is signed by Mayors (Kab Semarang,) and PDAM Director (Salatiga);
- Survey of customer reclassification of PDAM Kota Surakarta (10.000 customers) completed;
- Monitoring PDAM debt restructuring of PDAM Kota Semarang and PDAM Surakarta. PEMDA Semarang committed to covering main debt of PDAM in 2016 and providing capital of IDR 10 billion by APBD 2016 and the remaining 5.8 billion by APBD 2017.

East Java Region

- Financial Analysis capacity building of PDAM staff in Kab & Kota Probolinggo, Kab & Kota Mojokerto, and Kab Lamongan. The training aims to improve the capability of the staff, especially in the finance department, to prepare the financial report for management level that will help the Directors in the decision making process.

South Sulawesi and Eastern Indonesia Region

- IUWASH supported PDAM customer reclassification in Enrekang and Maros. The survey in Enrekang started in October and identified 1,849 out of 6,984 customers or 26.48% for reclassification. In Maros district survey identified 853 of 8,918 customers for reclassification;
- Monitoring and evaluation of reclassification implementation in PDAM Takalar continued. Before the program was implemented (May 2015), revenue of PDAM was only Rp. 290 million and after the implementation (Nov. 2015), average monthly revenue is Rp. 390 million, an increase of Rp. 100 million (33%);
- Encouraged finalization of Business Plans for PDAM Jayapura and Bantaeng. Both will conduct a FGD to all SKPD before it can be approved by the leadership of their respective regions;
- Encouraged implementation of Accounting and Billing System for PDAM Parepare and PDAM Enrekang to increase the PDAM performance.

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

North Sumatra Region

- Finalized and facilitated of dissemination of PDAM Asahan Business plan

West Java, Banten and DKI Region:

- Finalized survey of reclassification of tariff in Kab Serang;
- Conducted a FGD to finalize the Kab. Bekasi and Kab Tangerang PDAM Business Plan;
- Monitored Billing & Accounting System in Kab Serang and Lebak.

Central Java Region

- FGD on the development of MIS PDAM Kota Salatiga and PDAM Kab Rembang;
- Socialized Business Plan of PDAM Kab Batang;
- FGD Review/ Tariff adjustment of PDAM Kota Semarang.

East Java Region

- Facilitated PDAM Kab Sidoarjo to revise Business Plan and submit for the Mayors' approval;
- Facilitated PDAM Kab Gresik with stakeholders consultation and submitted to the Mayor;
- Facilitated Capacity Building on Finance for PDAM Kab Jombang, PDAM Kab Lamongan, PDAM Kab Malang, PDAM Kota / Kab Probolinggo and PDAM Kota Mojokerto;
- Facilitated PDAM Kota Mojokerto to prepare the Mayoral regulation on tariff adjustment;
- Facilitated PDAM Kab Jombang to prepare the regulation of Bupati on tariff adjustment.

South Sulawesi and Eastern Indonesia Region

- Finalized the PDAM Business Plan for PDAM Jayapura and Kab. Bantaeng for approval;
- Finalized the PDAM Customers Reclassification for PDAM Enrekang and Kab. Maros.

Program WS-3: PDAM Customer Aspects

A good, professional customer engagement program is crucial for PDAM to receive support from their customers for tariff increases as well as their willingness to connect to the system and regularly paying their bills. IUWASH supports PDAMs to engage with their customers through tools like Customer Satisfaction Survey (CSS) and establishing 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 training activities which includes combination of FGD, informal gatherings, field visits, and exposure to PDAM management combined with more formal (2 day) training such as:

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

By the end of PY 5 and going into PY6 , 22 PDAM Customer Communications Forum are established and active. Main achievements include:

- All 22 forum administrators are now using PDAM service monitoring sheet to record and report PDAM services at household and at neighborhood level. Based on these sheets they developed regular reports and discussed the findings with PDAM;
- Most forums are actively involved in PDAM's activities such as field visit, tariff adjustment preparation, and socialization to customers, customer meeting, non-revenue water, and etc;
- At the National level the Customer Communication Forum (FKP) toolkit and booklet is under development and National FKP workshop will be held during World Water Day

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 toolkit and booklet. Preparation for the national workshop on PDAM customer forum Facilitate capacity building for forums that have been formed, on PDAM and the forum roles, and communication and advocacy strategies.
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 or on verification process to claim as completed. All forums continue to implement monitoring activities on PDAM's service performance, while working together with PDAM to do socialization and education on water provision. FKP Pematang Siantar visited Surakarta in Central Java to learn about customer forum activities.
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 forum and the complaints mechanism through meetings. The forum also received capacity building training on media relations.
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 services. All forums and IUWASH partners agreed to establish Paguyuban Banyu Bening as regional organization for PDAM customers. FKP Kota Semarang continues to implement talkshows in local radio twice a month, with topics related to the PDAM service. Forum has also been accommodating, distributing, and monitoring customer complaints settlement. FKP Kota Semarang is ready for verification. Forkompampta (customer forum) Solo implement a monitoring mechanism on PDAM services through regular meetings with customers 3x / month. PDAM management and staff always attends to resolve complaints. Forkompampta is ready for verification. Training on media design in PDAM. Klaten and Sukoharjo completed Training on media relations in Rembang completed. Training on social media for forums and PDAMs in Sukoharjo completed.
East Java	Kab. Sidoarjo Kab. Jombang Kab. Lamongan Kota Probolinggo Kab. Malang	<ul style="list-style-type: none"> Activities in monitoring PDAM services is ongoing in all forums. FKP Lamongan is back on track after being halted due to discrepancy of opinion with Director of PDAM. FKP Jombang appointed new leader and received capacity building training on the forum and water provision system in Jombang.
South Sulawesi	Kota Jayapura Kab Maros Kota Takalar	<ul style="list-style-type: none"> Customer Forum PDAM Jayapura performed well with customer meeting as PDAM monitoring mechanism. FKP ready to verification. FKP Kab Maros conducted household survey to find out on PDAM services from a gender perspective. Forum will receive training on data processing and survey reporting. FKP PDAM Takalar is back on track after the PDAM director was formally appointed by the Bupati. Forum members started using Monitoring sheets to monitor and report on PDAM service performance. Forum received capacity building training on PDAM's operation, water provision system of Takalar which included field visit to raw water intake and water treatment plant.

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

North Sumatra Region

- Final facilitation and collection of documentation of FKP establishment process for 4 PDAM - Langkat, Tebing Tinggi, Sibolga and Pematangsiantar.

West Java, Banten and DKI Region:

- Assisted Kab Tangerang with management of customer communication forum. Discussing comparison study to PDAM with functional customer communication forum;
- Conducted workshops in Kab Serang, Kab Lebak and Kota Bekasi to establish a monitoring and evaluation guideline for the respective customer communication forums. The results were well received by all parties;
- Assisted PDAM Kota Bekasi with development of customer relation SOP and discussed the final draft with all parties involved –further analysis will be made in the next quarter.

Central Java Region

- Advocacy of PDAM customer communication forum (FKP) to develop workplan. 5 FKP (Kota Semarang, Surakarta, Rembang, Batang, and Sukoharjo) have developed their workplan and approved by respective PDAMs, including budget;
- Completed training on the use of social media as a tool for promoting, reporting, and documenting activities of CSR forum and PDAM. The training was attended by CSR Forum of Batang and FKP officials of PDAM Kota Semarang, Batang and Rembang. Currently each FKP has fan pages operated by their media team;
- Advocacy of DPD PERPAMSI Jawa Tengah to support the sustainability of association of FKP in Central Java Province called Paguyuban Banyu Bening.

East Java Region

- Refresh Training for PDAM CCF (FKP) in Kab Jombang and Mojokerto.

South Sulawesi and Eastern Indonesia Region

- Customer Communication Forum (FKP) Kab Takalar conducted study on monitoring of quality, quantity, and continuity of water in the six sub-districts on PDAM service area;
- FKP has 20 members (14 men and 6 women) and it functions as a partner of PDAM in order to remind the PDAM in giving service to the community.

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

North Sumatra Region:

- Monitored FKP and their activities and finalizing verification process.

West Java, DKI Jakarta and Banten Region:

- Customer communication forum from Kab Tangerang will conduct a comparison study to Central Java to learn management on customer relations from a well-established communication forum in either Solo or Semarang (optional);
- Completed Media Relations Programs/Training in Kab Serang and Kota Bekasi.

Central Java Region:

- Continued advocacy of workplan implementation of FKP PDAM Kota Semarang, Surakarta, Kab Batang, Rembang, Sukoharjo, and Klaten;

- Completed workshop on field monitoring of FKP PDAM Kota Semarang, Surakarta, Kab Batang, Rembang, Sukoharjo, and Klaten.

East Java Region:

- Provided capacity building training to PDAM Customer Communication Forums at Jombang, Mojokerto, Sidoarjo, Kab. Malang, Kota Probolinggo, and Lamongan.

South Sulawesi and Eastern Indonesia Region:

- FKP PDAM Takalar visited FKP PDAM Maros to share and learn from respective experiences;
- Continued supporting action plan of FKP PDAM Maros, Takalar and Jayapura.



IUWASH
Field visit of FKP Team in PDAM WTP in Kab. Takalar.

Program WS-4: Raw Water/Climate Change Adaptation

IUWASH continued implementation of the *Climate Change Vulnerability Assessment and Adaptation Plan (CCVAAP)* program activities. While the CCVA studies and the following consensus building on adaptation options were completed, this past quarter IUWASH effort focused on implementation and monitoring of the stakeholders agreed adaptation actions. The implementation of the adaptation is to provide an example of adaptation action. The implementation is intended to encourage stakeholders to implement further adoption strategies and replicate existing plans. As identified and agreed during the stakeholder process, a set of adaptation options was identified as a priority either because of its urgency and/or its possibility for immediate actions. For instance, in Kab. Serang, a local policy on the infiltration pond was issued as a response to climate change causing disturbance to the ground water. The policy also corroborates initial action of infiltration pond development in Sukacai where the springs' capacity there has dropped significantly over time.



IUWASH
Construction of infiltration ponds in Sukacai village of Serang district.

The CCFI supported infiltration ponds program in Kab. Malang completed 800 infiltration ponds and subsequently an inauguration event was held. The Vice Governor of East Java, Bapak Saifullah Yusuf, recognized the collaborative program that addressed climate change issue with concrete action involving the local community. Also present, USAID Acting Deputy Mission Director, Nancy Fisher-Gormley, expressed an appreciation for the strong effort made by the government of East Java and Kab. Malang as well as CCFI and the community making this USAID climate change adaptation effort such a success. A successful collaboration and implementation of the infiltration pond has also resulted in another private sector climate change/raw water protection program with CSV Nestle. They are also interested in implementing similar infiltration ponds program and in the last quarter initial activities including catchment area delineation, NGO selection, and community identification to improve springs' recharge in Kab. Probolinggo started.

To build and improve stakeholders' adaptive capacity in responding to climate change issues, IUWASH started with a comprehensive training program specifically designed with VAAP in mind. In this quarter training modules were followed by an internal training where inputs were used to finalize the modules, the process, and the logistics. The first regional training program was conducted in North Sumatra and was

participated by relevant staff from PDAM and PEMDA. A particular issue which emerged during the training was the nature of water resources that often crosses administrative boundaries leading to adaptation actions on collaborative and coordinated front. The training served as an opportunity to build common understanding among those related as a prerequisite for joint adaptation planning. The second regional training was held in South Sulawesi where similar issues were raised, including water supply vulnerability to drought. These training have reached more than 40 participants and in the coming quarters, additional seven or eight training will be conducted in IUWASH regions and at the National level.

In reaching out to the broader public in general and as an advocacy tool to the decision-makers on adaptation actions, IUWASH facilitated media exposure programs in Enrekang, South Sulawesi, Batang, and Central Java during this quarter. In Enrekang, the media had the opportunity to see “*embung*” (water retention pond) as a local initiative to respond to drought where the construction budget was provided by PEMDA and the community provided the land. This program was featured on Metro TV, a national media, in its coverage in the 1000 Meter program (footage at <https://www.youtube.com/watch?v=-Bn7Noe3z5Y>). In Batang, the media learned collaborative efforts of PDAM, CSR forum, and local communities to protect springs through infiltration pond development and tree planting in order to improve recharging of the springs. The media were also exposed to the construction of latrines in springs’ recharge area to protect water streams and springs from domestic wastewater pollution. An article on this appeared in the Jakarta Post (January 2, 2016).

In the next quarter, IUWASH will continue the ongoing adaptation actions as well as advocate for further and broader stakeholders buy-in for adoption and replication of successful results. In particular, IUWASH will monitor and support implementation of the local policy on water protection. Also IUWASH will continue the training programs in South Sulawesi (1 more), East Java (2 training), Central Java (2 training), and West Java/Banten (2 training).

The following table shows update of progress of WS 4 activities to date:

Region	Location	Summary of achievement
North Sumatra	Medan Pematangsiantar Sibolga	<ul style="list-style-type: none"> Implemented adaptation actions - construction work, design, local policy, and/or other include: <ol style="list-style-type: none"> Provision of regulation <i>Peraturan Bupati Serang 38/2015</i> on infiltration ponds. Monitoring and dissemination of similar regulation is ongoing in Pematangsiantar and Sibolga (North Sumatra) and Kab. Probolinggo and Batu (East Java). The other four locations in South Sulawesi are still pursuing for endorsement of local regulation. Studies on WTP/intake improvements for Sidrap and Jeneponto, South Sulawesi and spring protection for Kota Malang are being finalized. 800 infiltration ponds program under collaboration with CCFI in Kab. Malang, East Java completed. The other locations; Kab. Probolinggo completed 50 infiltration ponds, Kab. Serang completed 40 ponds, and Bantaeng, South Sulawesi completed 11 ponds. Construction of intake/WTP modification works in Nagrak (Kab. Bandung) and Kalanganyar (Lebak) are in completion. The intake/WTP in both locations will be completed in the next quarter. Dissemination of adaptation planning and actions through stakeholders discussion, participation in workshop, and in particular media exposure in Enrekang, South Sulawesi and Batang, Central Java. This also includes a media event organized by CCFI that presented infiltration ponds as an adaptation option and its alignment with results of the COP 21. Involvement of national media has helped spread the lessons learnt to national audience. 2 training programs on water supply VAAP were implemented in North Sumatra and South Sulawesi. Participating stakeholders gained practical understanding on VAAP and skill to use IUWASH’s tools ARM and adaptation options development.
West Java & Banten	Bandung Serang 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 WS 4 in the 5 IUWASH regions:

North Sumatra Region

- Disseminated of raw water protection regulation Perwal *Peraturan Walikota* in Pematangsiantar and Sibolga. Both Perwal are developing CCVAAP;
- Trained selected local government agencies of Pematangsiantar, Sibolga, Tapanuli Tengah, and Simalungun on Climate Change Adaptation Planning ;
- Finalized the study on regionalization of raw water for Medan, Binjai, and Deli Serdang.

West Java, Banten, and DKI Region:

- Relocation of raw water intake in Nagrak Kab. Bandung is underway. The construction work will be completed in the next quarter;
- The pump and generator house for raw water intake in Kalang Anyar, Lebak is 80 % complete. Mechanical/electrical works to be done by PDAM will start the next quarter;
- IUWASH facilitated 11 infiltration ponds construction in Desa Sukacai, Kab. Serang and also trained staff from Pemda, PDAM, and Modernland on construction of infiltration ponds to support their program. Bappeda constructed 20 infiltration ponds. Modernland (CSR) constructed 5 ponds. PDAM is constructing 2 ponds (ongoing);
- Drafted the VAAP summary reports called “Laporan Bunga Rampai” for 3 Kabupaten (Bandung, Serang, and Lebak). The reports will be completed in the next quarter.

Central Java Region

- Monitoring impact of infiltration ponds in Bismo and Watulungung catchment area by measuring flow in partnership with PDAM Batang using Ultrasonic Flow Meter in transmission pipe, “V Notch” for the open channel, and by “surface loading” to measure over flow from broncapturing. The monitoring shows that capacity of both springs increased;
- Advocate for the development of Perdes “*Tata Kelola Lingkungan Hidup*” in Desa Bismo and Desa Tambakboyo, Kab. Batang. The Perdes is essential for the sustainability of the infiltration ponds and the reforestation action in both villages. The Perdes was endorsed by the village administration and disseminated to the village communities;
- Media coverage on water replenishment by community of Bismo and Tambakboyo villages in Kab Batang through infiltration ponds development, Perdes, and reforestation. The media involved are Kompas, Republika, Antara, RRI, Jakarta Post, Suara Merdeka, Solo Pos, Suara Merdeka.com, Mongabay.com, Metro TV, and DAAI TV.

East Java Region

- Facilitated a visit of USAID staff to Water Replenishment Program in Ngajum Village, Kab. Malang;
- Conducted handover of 50 infiltration ponds in Kab. Probolinggo (Tancak Village, Ranuagung Sub-District)



IUWASH

Debit monitoring in the production system of Watulungung spring used by PDAM Kab Batang to see the impact of infiltration pond development.



IUWASH

Discussion with P.J. Bupati Malang to share the results of infiltration pond development in Kab. Malang.

to the local community and stakeholder;

- Measurement of springs' capacity (Ubalan, Polaman, and Mlaten) conducted jointly with PDAM, the irrigation agency, ESDM, and PU CKTR Kab. Malang;
- Facilitated inauguration of 800 infiltration ponds developed in Kecamatan Ngajum and Kecamatan Lawang, Kab. Malang under collaboration with CCFI;
- Facilitated public consultation for GPSA (Garda Penyelamat Sumber Air) Kab. Mojokerto and capacity building for GPSA members and leaders to improve their function and performance toward water conservation;
- Initiated activities for infiltration ponds in Kab. Probolinggo funded by CSV Nestle and implemented by NGO FFPM. IUWASH provides TA and dissemination to PEMDA;
- Consulted with PDAM Kota Malang on the study of Clumpit spring protection.

South Sulawesi and Eastern Indonesia Region

- Conducted training on Climate Change Adaptation Planning for Kota/Kab. Parepare, Pinrang, Sidrap, and Enrekang;
- Supported Dinas PU Kab. Bantaeng to disseminate raw water sources protection to 5 kecamatan in upstream area of the kabupaten;
- VAAP pilot project implementation of 10 infiltration ponds in Desa Kampala, Kec. Eremerasa participated by SKPD and community group. This activity resulted in commitment of SKPD to budget funding for infiltration ponds in APBD 2016 for replication, including Dinas Kehutanan for the construction of 18 infiltration ponds;
- Sharing lesson learned on “infiltration ponds as a climate change adaptation” through media visit to Desa Kampala, Kec. Eremerasa, and Kab. Bantaeng;
- Media visit to Kab. Enrekang to show development of *embung* (water retention pond) as an important action of VAAP program implementation to address drought problem;
- Completion of studies of: a. WTP of Tellu Limpoe, Sidrap and Biroanging intake, Jeneponto and b. Assessment/feasibility of raw water storage pond for Selo Karajae intake, Parepare and in BNA Pinrang intake, and PDAM Kab. Pinrang.

The following is summary of planned activities in WS 4 in the 5 IUWASH regions:

North Sumatra Region

- Conduct monitoring and advocate for implementation of CCVAAP by LGs and multi-stakeholder in Pematangsiantar & Sibolga.

West Java, Banten and DKI Region:

- Assure that the raw water intake relocation in Nagrak in Kab Bandung is constructed in accordance to the agreed specification and budget that PDAM has allocated;
- Monitor the pump and generator set house for the raw water intake in Kalang Anyar and all the mechanical and electrical work that need to be done by PDAM;
- Monitor sumur resapan development in Desa Sukacai of which the Bappeda will install 20 sumur resapan, BLH 5 sumur resapan and PDAM 2 sumur resapan;
- Complete VAAP (*Vulnerability Adaptation Action Plan*) Report called “Laporan Bunga Rampai VAAP” for 3 Kabs (Bandung, Serang, and Lebak).

Central Java Region

- Survey on monitoring debit of Bismo and Watulumbung springs in Kab Batang;
- Survey on implementation Perdes “*Tata kelola air*” in Desa Patemon Kab Semarang.

East Java Region

- Facilitate training for maintenance of infiltration ponds for in Wonorejo village, Bumiaji Sub-District, Kota Batu and Tancak Village, Tiris Sub-District, Kab Probolinggo;

- Support Infiltration Ponds development at Krucil, Probolinggo (CSV Nestle);
- TOT for Climate Change Adaptation Activities for Kab Malang, Kota Malang, Kota Batu, Kota Probolinggo and Kab Probolinggo.

South Sulawesi and Eastern Indonesia Region

- Conduct Training Climate Change Adaptation Plan for Kab. Jeneponto and Bantaeng.

Program WS 5: Micro Finance for Water Supply

IUWASH is aiming to increase access to improved water services to poor and low income communities through introduction of microfinance program, where the households can obtain access to PDAM connections and pay back through a credit scheme. During the implementation of this, IUWASH supports PDAM, either through mobilizing of internal funding or support PDAM to collaborate with financial institutions, national and local banks.

Up to QPR # 19 in PY 6, the implementation of micro-credit programs for water water supply continue activities as planned, including promotion, survey of customer interest, technical assistance to develop of Standard Operating Procedures, establishment of microcredit division in the PDAM, the development of cooperation with financial institutions, as well as the support of customer forum for micro-credit promotion.

Main achievement obtained in this quarter is around 1,328 new water supply connections through micro credit, mostly Central Java region (> 1,200) and some from North Sumatra; There is also good achievements in the other IUWASH regional, but since they have not been verified, they will be included in the next quarter (QPR 20).

Regarding the overall microfinance target (20,000 for water supply and sanitation) for duration of IUWASH, the total achievement to date is 16,483 HH for water connection. This means that the steps taken in the last year to increase micro credit for water supply and sanitation, has been appropriate and relevant, especially since recently several financial institutions showed interested in providing prefinancing for micro credit services for water supply.

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 microfinance continues regularly every month	Support with socialization/marketing by involved of PDAM Customer communication forum.
	Lab Batu	PDAM		
DKI, West Java and Banten	Karawang District	PDAM	- Socialization for MBR - PDAM cash analysis done.	PDAM with internal financing
	Serang District	PDAM	Monitoring progress.	PDAM with internal financing,
	Bekasi Kota	PDAM	Socialization microcredit to PDAM customers that do not yet to get services	75 KK attended in this socialization.
Central Java	Semarang City	MFI-PDAM Cooperative	Assistance promotion	PDAM with internal financing
	Klaten District	MFI-PDAM Cooperative	continue Marketing & Promotion + money	PDAM with internal financing

Region	PDAM	Bank/MFI	Status	Notes
	Sukoharjo District	MFI- PDAM Cooperative	continue Marketing & Promotion + monev	PDAM with internal financing
	Rembang District	PDAM Cooperative	Finalization MoU between BMT with PDAM	PDAM with internal financing
East Java	Surabaya City	BRI	continue promotion by PDAM teams	targeting potential MBR.
	Sidoarjo District	BRI Sidoarjo	Marketing Support assists in promotion and campaign	BRI approved 638 HH
	Jombang District	Bank Jombang BRI	Bank Jombang and BRI agreed to finance	BRI approved 20 HH
	Malang District	Bank BRI, Bank Jatim	follow up monitoring after trainings conducted Training	PDAM started with internal cash
	Mojokerto District	BSM, BRI Koperasi	monitoring progress	BRI approved 435 HH
Sulawesi/ SSEI	Jeneponto District	MFI-Koperasi Pasar Utama.	monitoring progress of previous trainings	Completed 13 unit. ; new targets 30 unit per month.
	Maros District	Koperasi BMT Al-Azhar	monitoring progress of previous trainings	Completed 20 unit. ; new targets 20 unit per month.
	Sidrap District	MFI, Koperasi Denas 66	monitoring progress of previous trainings	Completed 25 unit. ; new targets 20 unit per month.
	Takalar District	MFI, PDAM Cooperative	monitoring progress of previous trainings	Completed 27 unit. ; new targets 40 unit per month.
	Pinrang District	MFI, Koperasi Denas 66	monitoring progress of previous trainings	Real demand survey completed

The following is summary of main achievements under program WS 5 in IUWASH regions:

North Sumatra Region

- Conducted monitoring of the implementation of microfinance with PDAM Langkat.

West Java, Banten and DKI Region:

- Socialized micro credit to PDAM Kota Bekasi and inform customers. As this depends heavily on water availability of PDAM, this will be assessed in the next quarter;
- Around 800 customers from PDAM Kota Bekasi, PDAM Kab Serang and PDAM Kab Karawang participated in micro-finance scheme. The total target customer is 2,200.

Central Java Region

- FGD on strategy and planning for promotion of new micro credit connection done by PDAM Kab Klaten and Sukoharjo;
- In PDAM Kab Rembang advocacy focused on arranging MOU with local financial institutions; but due to shortage of raw water, MOU event is temporarily postponed.

East Java Region

- Training for preparation of SOP for Micro Finance program for new PDAM connection fee in Kab Jombang through credit from Bank Jombang.

South Sulawesi and Eastern Indonesia Region

- For PDAM Jeneponto, Takalar, Maros, Sidrap supported triggering marketing, promotion, monitoring and evaluation to increase the access through microfinance.

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

North Sumatra Region

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

West Java, Banten and DKI Region:

- Conduct further socialization on clean water micro credit program with PDAM Kota Bekasi and find new customers.

Central Java Region

- Promotion and Marketing for new connection by microcredit in PDAM Kab Klaten, Sukoharjo and Rembang;
- Continuing the advocacy of SPAM Semanggi Kota Surakarta.

East Java Region

- Facilitation assistance on micro finance for new connection PDAM Kab Sidoarjo, PDAM Kab Mojokerto, PDAM Kab Jombang and PDAM Malang;
- The Micro finance for PDAM Kab Sidoarjo achieved 638 new connections – and 500 new connections are under process waiting BRI approval. PDAM Kab Jombang achieved 20 connection via Bank Jombang and 435 new connections through Bank BRI Mojokerto.



IUWASH

Collection the installment of credit micro for water by the bank to the community members in Kalipecabean village-Sidoarjo.

South Sulawesi and Eastern Indonesia Region

- Monitoring, evaluating and increasing the water access through microfinance program in Kab. Takalar, Jeneponto, Sidrap and Maros.

Program WS-6: Master Meter

Installation of Master Meter (MM) systems is one of two key IUWASH strategies for increasing 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 program:

After one master meter system was supported fully by IUWASH in Kota Sibolga, the scheme was replicated by Bank Sumut who funded Rp 200 million (CSR) one master meter system serving 70 connections at Aek Parombunan. In this quarter second replication is ongoing for 32 customers at Simaremare funded by APBD Sibolga.

In Kab. Tangerang 250 poor families are now connected to piped water through three master meters. In this quarter IUWASH conducted refresher training to CBO to read water meter.

In DKI Jakarta, since last year, IUWASH continue to support PAM Jaya to increase piped water access for the poor households. During PY 5, four locations were selected: One in Palyja area (Rawa Buaya for 50 hh) and three in AETRA area (Pulau Gebang for 100 hh, Tanah Merah for 250 hh and Pelindo for 100 hh). In this quarter three systems and one is ongoing; In the next quarter IUWASH plan to add one additional Master Meter system which will serve approximately 250 connections.

Five Master Meters were implemented in **Kota Surabaya** in PY 5 in four neighborhoods. After the inauguration by the Mayor of Kota Surabaya, 260 households are benefiting from them. In this quarter IUWASH strengthened development of Forum of CBO managing the Master Meters.

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 Aeak Tambunan funded by CSR Bank Sumut Rp 200 million. IUWASH supported CBO and technical advice
		32	On going	Replication MM in Simare-mare funded by APBD. IUWASH supported technical aspect and set up KSM; capacity building KSM and communities.
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. At this quarter IUWASH conducted refreshing training
	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 completed; and Tanah Merah is expected to be completed on Jan 2016.
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 facilitated establish CBO-Master Meter Communication Forum Surabaya

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

North Sumatra Region

- Conducted water cost survey for household connected to Master Meter system in Aek Parumbunan (Sibolga)

West Java, Banten and DKI Region:

- Master meter in Subur Makmur Kab Tangerang serving 42 Households is operating well. The old master meter was replaced with a new one after IUWASH made a thorough assessment of the system;
- Master Meter Rusun Cilincing DKI Jakarta – IUWASH assisted with the program and 48 out of 100 targeted households are connected to the system. ADB assisted with the development of the KSM by-law;
- Master Meter Pulo Gebang DKI Jakarta – a collaboration effort between IUWASH (material), ADB (construction), PAM Jaya/Palyja (MM cost) and community; master meter in full operation for 50 households and KSM was established to manage the system;
- Master Meter RW 022 Tanah Merah DKI Jakarta – IUWASH in collaboration with PAM Jaya/Aerta completed ground tank and the roof tank is under construction. Master meter was constructed but not yet connected to households . Target for completion is January 2016 for 250 customers;
- Master Meter Rawa Buaya DKI Jakarta -- IUWASH in collaboration with ADB (construction), PAM Jaya/Palyja (MM cost) and community established master meter for 50 households; KSM was established and trained by IUWASH on management.



IUWASH
Construction process of Master Meter in DKI Jakarta.

Central Java Region

- Installed regular monitoring system of Master Meter in Solo and discussed with PDAM on possibility of building additional one.

East Java Region

- Established regular (informal) monitoring system for Master Meters installed in Surabaya and Sidoarjo.

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

North Sumatra Region:

- Facilitate an establishment of second master meter in Simare-mare Sibolga city near master meter pilot project. The replication will be fund by LGU.

West Java, DKI Jakarta and Banten Region:

- Conduct management training on operation and maintenance, tariff, meter reading, and cost analysis of master meter system for KSM Subur Makmur Kab Tangerang;
- Monitor constructed master meter in DKI Jakarta and conduct training for the associated KSMs in operation and maintenance and micro credit schemes.

East Java Region:

- Capacity Building for KSM Master Meter Communication Forum Kota Surabaya;
- Capacity Building for KSM Master Meter Kab Sidoarjo.

Program WS 7: Capital Expenditure Financing

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

Activity highlights during the reporting period are as following:

- IUWASH supported the MEBIDANG regionalization project in North Sumatra (explained in more detail under WS 8). MoU was signed and fully support by the Ministry of Public Works and Housing who will arrange the project finance (estimated to be around US\$ 50 million);
- The Teluk Buyung project of Kota Bekasi has begun with a tender of construction in November 2015. The project of 200 liter/second treatment plant has obtained financial support from the local government (APBD) in the amount of Rp. 19.2 Billion;
- Bank Jabar Banten – BJB has submitted its formal intention to fund Cibaja (PDAM Kab. Serang) project of Rp.8.7 billion. Cibaja project will include building 80 liter per second new treatment plant and its distribution network of total costs Rp. 58 billion. PDAM is now negotiating collateral for the loan with BJB.

In next quarter IUWASH will continue facilitating PDAM to move forward including meeting with the central government for MEBIDANG project in North Sumatera. In Jayapura IUWASH will meet with the local government to clarify local budget of 2016 to finance land acquisition for distribution networks.

PDAM	Project Description	Progress through Quarter 19
Kota Tebing Tinggi <i>North Sumatra</i>	- 200 lps regionalization project (Tebing Tinggi and Serdang Bedagai) for 15,000 connections - Anticipated financing: APBN (for regionalization)	In process - funding from APBN under the regionalization program. A new approach to GOI will also need to be formed to access regionalization funds provided by APBN.
Kota Tanjung Balai, <i>North Sumatra</i>	- 100 lps WTP in Kelurahan Sirantau for 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, <i>North Sumatera</i>	- 40 lps WTP in Rantau Utara and 50 lps of Bilah Barat. Total connection to be served is approximately 6.300 houses. - 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). As of QPR 17, construction is complete for all systems with water flowing into the piping network. Land acquisition funded through APBD and construction of assets through APBN.
Kota Tanjung Balai, <i>North Sumatera</i>	- 50 lps of WTP 5. Total connection to be served is approximately 3.500 houses located in area of sub-district of Pasar Baru. - Funding to be leveraged from APBD and APBN.	
Kota Tebing Tinggi, <i>North Sumatera</i>	- 50 lps of Kutilang in area of existing plant. Total connection to be served is approximately 3.500 houses (40% of pro-poor houses). - Funding to be leveraged from APBD and APBN.	

PDAM	Project Description	Progress through Quarter 19
Kota Medan <i>North Sumatera</i>	- MEBIDANG - 2000 lps of bulk water supply for 3 municipalities (Kota Medan, Kota Binjai dan Deli Serdang – regionalization of water supply.	In process - IUWASH contribution was providing FS, DED and facilitation of agreements among municipalities (KSB & PKS). Draft of FS has been developed by IUWASH and DED is in process.
Kota Bekasi <i>West Java</i>	- Bekasi Barat – Teluk Buyung: 200 lps production and distribution with 15.000 connections. - Anticipated financing: B2B	Final - Source of funding APBD for immediate works. LG issued approval for local budget allocation (19M). Tender for treatment plant construction has begun in November 2015.
	- Pondok Gede Project: 300 lps treatment plant and distribution with 20,000 connections - Anticipated financing: PPP(KPS)	In process - PDAM has completed revising the FS and DED completed by IUWASH. Following step is PPP tender process.
Kab. Serang <i>Banten</i>	- Greenfield project for Ciruas/Cibaja of 80 lps with 24.000 connections. - Anticipated financing: Commercial bank and APBN	In process – Bank Jabar Banten has submitted formal interest to provide loan to PDAM amounting 8.7 billion with an additional 58 billion anticipated from APBD/APBN.
	- New Water Treatment Plant of 200 lps. - Project: B2B financing.	Final - IUWASH prepared financial analysis which was agreed in 2014. The project remains under construction.
Kota Bogor, West <i>Java</i>	- New Water Treatment Plant, Katulampa Project of 600 lps. - financing: APBD, APBN and PDAM.	In process – APBN to finance project 145 billion, APBD 54 billion and PDAM 2.5 billion. All will be allocated in 2016 budget.
Kota Surakarta <i>Central Java</i>	- 300 lps bulk water supply project improving service for 24.000 connections (6,400 new connections) - Anticipated financing: Commercial loan.	In process –Financing Agreement by local and central government is in finalization stage. APBN 2016 will cover Rp. 20 billion for building treatment plant and reservoir. APBD support Rp.10 billion.
Kab. Gresik <i>East Java</i>	- 250 lps water supply project, consisting of new treatment plant and uprating of existing plant. - financing: B2B partnership with Drupadi Inc.	Final - Construction of new treatment plant and uprating of the existing plant completed. Facilities have commenced operation.
	- 1,000 lps of Sembayat Project with (another 1,000 will be for industry). - Anticipated financing: B2B	In process- FS & tender documents complete, bidding wait until new regulation on B2B contracts is issued by GOI.
Ambon <i>East Indonesia</i>	- Waytona - 35 lps spring and treatment plant serving approximately 6,000 households. - Financing: APBN (majority) and APBD	Final - Construction of WTP and network completed. Official take-over of the plant from central to local government soon.
	- Wayheru spring - Rehabilitation of 20 lps spring and network for 2,000 households - financing: APBN (majority) and APBD	Final - Rehabilitation and network funded by APBN is completed including tertiary piping to connect to customer.
Jayapura, <i>East Indonesia</i>	- 30 lps treatment facility serving 2,500 households - Anticipated financing: APBN 2015	In process - IUWASH supported completion of DED. Project to be funded through APBN. The cost of the land is still under negotiation, however, with the private sector owner.

Creditworthiness Ladder

Updates to PDAM credit worthiness Ladder was conducted to all PDAMs in August and September 2015 using latest audited financial statement of December 2014. IUWASH will update CWL using PDAM 2015 financial statements starting in February 2016.

Also during this quarter, IUWASH facilitated Bappenas to include the Credit Worthiness Ladder approach in the NAWASIS (National Water Supply and Sanitation Information Services) to analyze condition of all PDAMS in Indonesia. The IUWASH facilitating for this is provided through the development of CWL computer model which works under the NAWASIS web-based system.

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, through preparation of a feasibility study and facilitation of KSB (memorandum of understanding) that has been signed by the Governor and all three Mayors.

West Java, Banten and DKI Region:

- IUWASH assessed and monitored the 9 PDAMs in West Java and Banten related to the Credit Worthiness Ladder and they are still above the benchmark;
- IUWASH assisted with feasibility study for PDAM Kota Bekasi on SPAM in Jatisari; study contained 6 chapters and is complete but needs review by PDAM Board of Directors.

Central Java Region

- Advocacy of Semanggi water supply (300 lps) with finalization and signing of MoU/ PKS (Perjanjian Kerjasama) and between the central government, PEMDA Surakarta, and PDAM.

East Java Region

- Finalization of tendering documents for Procurement process of PDAM PPP of new Water Treatment Plant (2,000 l/sec) in Kab Gresik. Raw water will be taken from Sembayat dam. 50% will be used to serve about 75,000 new households in Kab. Gresik.

South Sulawesi and Eastern Indonesia Region

- IUWASH supported Rehabilitation of WTP 20 lps in Ambon from Wayheru spring water to 2.000 house connections (financed by APBN and APBD), including agreement letter associated with the Handover of Implementation SPAM Development in Passo – Ambon;
- The completion of "Land acquisition for reservoir" has been agreed by PDAM Jayapura and PEMDA with APBD financing through *PERDA 11/2014 Penyertaan Modal* to serve 600 hh in Kota Raja Dalam and Raja Luar area. Reservoir collects water from Cycloop.

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 and DED.
- Facilitate agreement among parties.

West Java, Banten and DKI Region:

- Finalize and present the development of a feasibility study for PDAM Kota Bekasi on SPAM in Jatisari;
- Comparative study with Banks and monitor SPAM Cibaja in Kab. Serang;
- Monitor SPAM Teluk Buyung, Cibaja in Kota Bekasi and Kab. Serang.

East Java Region

- Update CWL for 11 PDAMs (Surabaya, Sidoarjo, Lamongan, Kota/Kab Mojokerto, Kota/Kab Probolinggo, Jombang, Kota/Kab Malang);
- Facilitation to provide FS WTP 2000 L/sec Sembayat Gresik completed – now waiting PDAM Kab Gresik to prepare the bidding process.

South Sulawesi and Eastern Indonesia Region

- Continue monitoring progress in Ambon and Jayapura on WS 7 activities.

Program WS-8: PDAM Institutional Support

Strengthening PDAM Internal Structures

Strengthening PDAM management and operation is critical to improving performance of sustainable access to piped water. This quarter IUWASH conducted various activities to improve human resources capacity to increase PDAM's efficiency including reducing water losses, improving energy efficiency, improving Management Information systems (described in WS1), development of business plans (in WS2), strengthening PDAM customer relation sections (in WS3), increased understanding of raw water protection(in WS4) etc.

The following is a summary of key activities on PDAM strengthening not mentioned earlier.

During this performance period, IUWASH supported five PDAM staffs to participate in PDAM Management training level Medium (Tingkat Madya). PDAM staff included new managers from PDAM Langkat, Pematang Siantar, and Sibolga (all North Sumatra Region), PDAM Kab. Mojokerto (East Java Region) and PDAM Rembang (Central Java Region). IUWASH plans to provide similar assistance in the next two quarters for two additional management training scheduled for January and April 2016. These training will also include 20 additional staff from PDAM Bantaeng, Jeneponto, Maros, Jayapura, and Ambon representing SSEI region.

In this quarter IUWASH also supported PERPAMSI in conducting a participatory training / workshop for weak PDAMs in Eastern Indonesia with the aim of improving their basic performance of both technical and non-technical issues. The workshop was conducted for four days (started on 30 Nov 2015) at Ambon and was attended by 16 participants from seven PDAMs at Maluku and North Maluku Provinces (PDAM Kota Ambon, PDAM Maluku Tengah, PDAM Maluku Tenggara, Maluku Tenggara Barat, PDAM Halmahera Barat, PDAM Halmahera Selatan and PDAM Kota Ternate). The participants included the directors and the division heads, who first shared their current activities and problems within each PDAM. Using this as starting point, the trainers (IUWASH, PERPAMSI, BPPSPAM experts) then facilitated development of tailor-made action plans for each PDAM in combination with basic training on practical topics like Non Revenue Water, billing efficiency, operational efficiency, and tariff setting. At the end, each PDAM had their own action plan, which they promised to share with their executive directors and start implementing. The training was a collaboration program between IUWASH and PERPAMSI, supported by BPPSPAM and the Ministry of Public Works and Housing .

In next quarter (January – March 2016) IUWASH and PERPAMSI will follow- up results for Maluku as well as implement a similar training for eight to ten PDAMS in Papua and West-Papua provinces.

Regionalization of Raw Water Sources and/or PDAMs

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

Since the start of this quarter, IUWASH provided substantial technical support to a large water supply regionalization program in North Sumatera called MEBIDANG (MEDan, Binjai and Deli SerDANG). Program included collection and treatment of 2,000 liter/second water from a river in Binjai which is then transported by pipes to Medan (1,600 l/s), Deli Serdang (200 l/s) and Binjai city (200 l/s). IUWASH involvement includes the following:

- Regular meetings with the Ministry of Public Works and Housing and KfW (German Development Bank) which is interesting in financing the project (estimated to cost USD \$50 million) through a loan to GOI, which will be passed on as a grant to Province of North Sumatra;

- Development of initial Feasibility Study, identifying the opportunities and emerging issues (technical, institutional and financial);
- Contracted local company for Detailed Engineering Design of the project, which will be used as an additional document in the cooperation agreement between the cities of off-takers;
- Arranged MoU among all three local governments and the provincial government and was used as a basis for cooperation agreement;
- Calculated the rough bulk water tariff for three PDAMs (based on initial FS), discussed with all parties, and reached an agreement.

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

North Sumatra Region

- Supported socialization of ISO in PDAM Tebing Tinggi;
- Conducted provision capacity building for medium level staff of PDAM Sibolga, Pematangsiantar and Lengkat by sending them to YPTD training, to get higher certificate;
- Strengthening of CBO water management in Belawan.

West Java, Banten and DKI Region:

- IUWASH regional and National team facilitated development of SOP by staff of PDAM Kota Bekasi (customer service and financial operation ongoing) and Kab Bekasi (5 SOP for customer service completed).

Central Java Region

- FGD on SOP Review of PDAM Kab Semarang, followed by 15 participant from division of technical, finance, and customer relations. Reviewed 19 SOPs from 55 SOPs which needed to be reviewed due to new organization structures with 2 directors.

East Java Region

- Initiated selection of PDAM candidates to join next batch of PDAM Management training.

South Sulawesi and Eastern Indonesia Region

- Continued technical assistance on SOP PDAM Sidrap, Jeneponto and Bantaeng with implementation, monitoring, and evaluation up to February 2015.

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

North Sumatra Region

- Monitor the progress of mentoring SOPs approved by PDAM directors in 9 PDAMs;
- Identifying candidates for YPTD management training.

West Java, Banten and DKI Region:

- Complete the SOP for customer relation for PDAM Kota and Kab Bekasi;
- Complete SOP for customer relation and finance in Kab Bekasi.

Central Java Region

- FGD on Finalization of Review SOP/SOTK of PDAM Kab Semarang.

East Java Region

- Continuation of preparation of PDAM SOP for both Technical and Non Technical Departments in Kab Sidoarjo, Kab & Kota Mojokerto, Kab Jombang dan Gresik.

South Sulawesi and Eastern Indonesia Region

- Prepare and conduct training for unhealthy PDAM in Papua and West Papua;
- Follow-up workshop with unhealthy PDAMs from Maluku Province;
- Monitor implementation of approved SoP;
- Identifying candidates for YPTD management training.

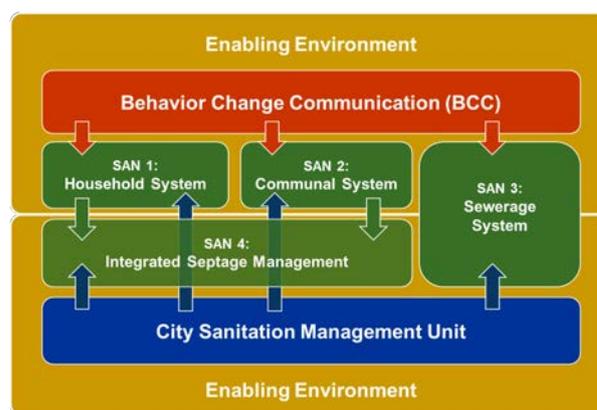
Section 3.2

SANITATION SECTOR

Introduction

IUWASH’s sanitation component targets increase in 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). SanBurger 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 relies on strong partnerships with: key government institutions especially Bappenas, the Ministries of Public Works and Housing and 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 the other institutions, both public and private.

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 also channels field experiences and lessons learned back to the concerned national ministries to contribute to institutional learning and the development of field-based national policies and guidelines in support of the development of sustainable sanitation services. Currently, the Indonesian sanitation sector is experiencing a growing momentum due to increasing 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) development of improved urban septage management through regular desludging.

IUWASH's Three Key Messages

For the ongoing promotion of sustainable waste water services at the local government level, IUWASH advocates three key messages that form the basis for local government collaboration and capacity development within the sanitation sector. These messages comprise of 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, a long term 'cost recovering' citywide public service obligation.

Institutional Settings

Related to the above, IUWASH advocates to participating local governments on the principles of suitable institutional settings that supports improving services to the community. This constitutes: (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 the national level as 'compulsory' aspects of the catalog of GOI readiness criteria for APBN investments.

A key driver for the establishment of comprehensive wastewater management services is the promulgation of supporting regulation at local government level. Whereas 41 participating local government have enacted regulation in support of the establishment of a designated wastewater management operators, there are still only a few local governments that are in the process of ratifying a comprehensive local government regulation (Perda) for providing overarching legal assurance for the implementation of city-wide wastewater management services. This includes the legitimacy of charging households a fee for service, which commonly also include the notion of "polluter-pay-principle" for those households that do not yet receive regular services, and the requirement of compulsory connections for sewer residential areas. IUWASH supports the preparation of Perdass in Medan, Bogor, Sukoharjo, Sidoarjo, Malang, Gresik, and Makassar.

The function of regulatory oversight for the wastewater management sector comprises various aspects. The most common regulated aspect is the monitoring of effluent qualities as a result of wastewater collection and treatment activities, which is available in most of the partnering IUWASH jurisdictions. IUWASH also initiated the establishment of citizen engagement mechanism (CEM) in 23 locations for supporting the dissemination of information and community complaint handling.

A third element of regulatory functions is the establishment oversight for monitoring the effectiveness and efficiency of service provisions, mainly in regard to access coverage and service quality. This element, however, is still work in process and there is, until date, no recorded significant progress.

Whereas 33 participating partnering IUWASH LGs have established a designated wastewater management operator, there are now about 19 jurisdictions that are advancing into the development of services deliveries. For strengthening the process of service delivery, PPLP is now planning to invite all local government jurisdictions that established a wastewater management operator through either IUWASH or sAIIIG support for a cross fertilizing "horizontal learning" workshop in February 2016.

'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. This is due to bulk of domestic waste water being disposed into the environment are without adequate treatment and is enhanced by uncontrolled dumping of septage from septic tanks and communal systems.

IUWASH therefore promotes an integrated concept of ‘*jamban sehat*’ (healthy toilet) ‘*ramah lingkungan*’ (environmentally friendly) at the local government level which comprises of the development and availability of the following six elements:

- Household level: Availability of clean water; WC with syphon; Watertight septic tank;
- PEMDA level: Regulation on construction of standard septic tanks; Regular desludging of septic tanks; Treatment of septage at a functional IPLT.

Signature Approaches

IUWASH implements three signature approaches, showcasing innovation that can be replicated by government institutions and the other donor agencies. The approaches are:

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

IUWASH actively supports 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 and Housing who recently stated in a national waste water management workshops that Indonesia is in need of constructing of more than 16 million standardized septic tanks within the next 5 years to keep up with urbanization, population growth, and better protection of water aquifers.

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. IUWASH also actively collaborates with the local government institutions, such as the Department of Health, ‘*Puskesmas*’, ‘*Posyandu*’, and Sanitarians for disseminating the urban community triggering and sanitation marketing approach.

For the development of the supply chain, IUWASH creates ‘business’ networks and provides training for master trainers, sanitarian facilitators, sanitation entrepreneurs, cooperatives, microfinanceproviders, 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 microfinancefor 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 microfinancesolutions 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 microfinance 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 (Rp 5 billion) in support of the development of a microfinanceline 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 the 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 microfinanced by the local Bank Jombang, who engages sanitation entrepreneurs and sanitarians for the delivery of the products. Another potential model for microfinance 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 microfinance 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 approximately 15,000 additional household units have been funded through IUWASH interventions through the government’s PNPM Mandiri program.

Because of significant contribution to the governments’ target of universal access, the two tier approach of ‘subsidies’ for low income households and ‘microfinance’ facilitation for middle income households will be further explored by IUWASH. This is to encourage more comprehensive interventions and engagements of key stakeholders at both the national and the 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 aligned with other current government programs (SANIMAS, USRI, IDB, sAIG) and services providers including PDAM Medan, PD PAL JAYA and PDAM Surakarta to support demand creation and sanitation promotion to connect households to an off-site sanitation systems.



IKA FRANCISKA/IUWASH JAKARTA

Training of Trainers (ToT) Urban Sanitation Promoter; Participants of the ToT in Makassar improve their knowledge of urban sanitation and improve their facilitation skill by practicing the module.

2. Urban Wastewater Management Unit

To foster the development of waste water services in the communities IUWASH utilizes a participatory planning tool for the preparation of a comprehensive five year sector development plan (Sanitation Road Map) at a local government level that addresses three key development areas and some interrelated strategies. They are:

Development Area	Strategy			
By Type of Infrastructure	HH Systems	Communal Systems	Sewerage	Septage Treatment
Enabling Environment	Regulation	Oversight	Operator	Subsidy/Tariff
Operator Capability	HRD	Asset Management	Customer Mtg.	Financial Mtg.

In addition to 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 a local government level is a ‘technical management unit’ (UPTD). This unit constitutes an 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 addresses five essential pillars of citywide waste water management, comprising: (i) promulgation of supporting regulation (PerWal/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 above, IUWASH promotes four principle operational functions which address the common urban waste water management challenges, including:

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

- The local government establishes 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 collaborates 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. microfinanceinstitutes and qualified sanitation entrepreneurs) for promoting and delivering improved household sanitation systems;
- The link that is still often missing at the local government level is the integration of the sanitarian in to the delivery scheme. Whilst IUWASH strongly promotes collaboration between DinKes and the operator, synchronization of annual planning and field works need further advocacy efforts.

3. Improved Urban Septage Management

Since 2012, IUWASH embarked on the introduction of ‘improved urban septage management’ (IUSM), in close collaboration with WSP (Water and Sanitation Program of the World Bank) and the Directorate of Environmental Sanitation (PPLP) of the Ministry of Public Works and Housing.

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

- The main motivator at the local government level for the introduction of IUSM is, these services are perceived as a ‘business’ that covers, at least in medium terms, the O&M costs of the operator, even though a national level support is required to finance the capital investment;
- 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 service portfolio, institutional settings and management structure of the operator, financing mechanism (government subsidies, customer tariff), effective invoicing systems, private sector involvement, and infrastructure for desludging and transport, septage treatment, and recycling; and
- Updated results at the National and the Regional levels on Regular Desludging can be found under Section San 4.



Others Achievements and Issues

The national IUWASH team disseminated during a three day event in the presentation to the representatives of Bappena, MoHA and PUPR ten sanitation related IUWASH knowledge documents, includes the following:

- **‘Standard Operation Procedures’ (SOP):** The basis for effective and efficient UPTD operations is 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 working on the preparation of 19 SOPs that will be available for future UPTD staff training. The SOPs cover the areas of general UPTD management and administration; HRD; asset operations; and revenue management. 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) Summary; (ii) Advocacy; (iii) Development of Sanitation Road Map; (iv) Establishment of an ‘Enabling Environment’; and (v) Development of Operational Capacities. Whilst these five volumes are ready in draft format by the beginning of January, further Bappenas, MoHA and PPLP reviews will follow;

- Urban Sanitation Promotion Guideline: Even though the guideline was disseminated earlier during 2015 to a broader national stakeholder audience, the presentation of the guideline was appreciated by the participants for understanding the underlining principles of URBAN sanitation promotion;
- Buku Saku and Flip Chart for Household and Communal Sanitation: These two guidelines and associated flip charts were produced for immediate beneficiaries and those stakeholders that are involved in the conception design and delivery of these “access to improved sanitation” options. The documentation is dominated by illustrations and therefore very suitable for SME training and community promotion;
- ‘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. Initial results will be available by the first week of January;
- Sanitation Index (SANDEX): IUWASH is collaborating with Bappenas, PPLP and AKOPSI for developing a process oriented local government sanitation index that is intended to serve the following purposes (i) an advocacy tool to local governments and their concerned service delivery institutions; (ii) information for the Bappenas managed Nawasis database for providing more accurate and substantial information on the level of sector development efforts at each local government and; (iii) 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 with Bappenas and PPLP for advancing the SANDEX;
- Regular Septage Management: IUWASH introduced the concept of “Layanan Lumpur Tinja Terjadwal” (LLTT) through the development of a guidance book “Buku Pengembangan LLTT”, which comprises of description of all the steps to set up an LLTT system combined with 9 Annexes which deal with calculation of tariff, financial management, collaboration with private sector, Operational SOP, regulations governing LLTT, promotion and marketing strategy and septic tank census. The Guidance will be completed during January 2016 and used as basis for training program for LLTT consultants (Ministry of Public Works and Housing, USDP, etc) to be held in March 2016;
- ‘Master Map’: In the absence of a citywide waste water master plan, investment decisions for individual technical options (including household sanitation, communal systems, small scale sewerage) are typically made by local governments randomly 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. IUWASH will follow up this master map concept with PPLP and will then make a decision on next steps, if supported by PPLP as an alternative tool, in particular for those Kota/KAB that do not have a master plan;
- USRI Assessment: Over the past year regional IUWASH offices in SSEI, East Java and Central Java supported the development of capacities of community managed communal systems for increasing the operational performance and long term sustainability of these systems. Over all 427 communal systems were supported and assessed for identifying the impacts of the capacity building support that were provided over time. Key findings and success factors can be summarized as follows: stakeholder

understanding their role from the outset of the program and are involved in preparation, planning, construction and O & M; knowledge, skills and spirit of the facilitator; choice of location should not be limited to the availability of land, rather than the city’s urban development plan; and UPTD Makassar and Kab Gresik actively support community operators and as such increase their operational capacities and effectivity of services;

- **Regulation:** IUWASH is collaborating with the Institute for Sustainable Futures at the University of Technology Sydney for enhancing the structure and content of wastewater management orient local regulation (Perda) with the aim of creating a template that is forward looking and comprehensively addressing principle cornerstones of wastewater management, without restricting future operational, technical, financial and institutional requirements.

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 collaboration during this quarter at national and regional level.

Collaborative Partners at National Level

Partner	Summary of Activities this Quarter
BAPPENAS	<ul style="list-style-type: none"> • Support implementation of AMPL KSAN and AMPL award • Meeting on preparation of Mayors visit to Manila for waste water management • Discussion on sanitation roadmap in provincial level and possibility to collaborate between IUWASH and PPSP
Ministry of Public Works and Housing	<ul style="list-style-type: none"> • development of Urban Sanitation Toolkit • roll-out of ‘regular desludging’ (LLTT) • developing a ‘OBA’ scheme for individual household sanitation • developing a ‘sanitation index’ (SANDEX) • preparing UPTD specific SOPs and training materials • communal sanitation in local government and community level
Ministry of Health	<ul style="list-style-type: none"> • development of STBM Roadmap (development and finalization) • review and finalization of STBM verification tools • handwashing with soap campaign
Ministry of Home Affairs	<ul style="list-style-type: none"> • Engagement on structure of SOP in support of UPTD capacity development
ADB	<ul style="list-style-type: none"> • Exchange of materials, incl. Building Code WWM and SOP for IPLT operations
World Bank-WSP & USDP	<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 sAllG locations

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

Summary of Achievements to Date

Until the end of the reporting period as of September 2015 a total of 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. More progress of this outcome will be reported next quarter because this outcome is reported semi annually.

National Achievements during the this Quarter

Development of Communication Materials

During this quarter IUWASH finalized buku saku and flip chart for SAN-1 individual sanitation and SAN-2 communal sanitation which were reviewed by PPLP. IUWASH also finalized the other communication and education materials such as sticker and marketing hand out and distributed these materials per following:

- The USP guide was distributed to local partners (DinKes, Puskesmas, sanitarian, KPP) through MoH channels;
- Brochure and stickers were distributed to sanitarian and other sanitation promoters to be used as communication materials and recognition for the house holds that have adopted improved sanitation.



Coordination with the Ministry of Health (MoH)

IUWASH is regularly coordinating with MoH to shared lessons learned and the progress of IUWASH field implementations. In addition, IUWASH continues to provide support to MOH STBM implementation and the development of STBM regulation and guidance such as STBM Roadmap and STBM verification tool.

Workshop on development of STBM Roadmap

To develop guidance for STBM implementation and to increase STBM contribution towards Universal Access 2019, MOH develop an STBM Roadmap that was actively supported by the national IUWASH team. The development process consisted of three main events:

- workshop to develop draft of STBM roadmap
- public consultation at provincial and municipal/district level
- workshop to review input/feedback gathered on public consultation and the finalization of the roadmap



IUWASH

Development of roadmap STBM through STBM National workshop organized by Kemkes and participated by Bappenas, Ministry of Public Works and Housing, Ministry of Home Affair, Donors and NGO representatives.

The roadmap now comprises valuable information such as: umbrella regulation and logical framework, STBM implementation and data status as per 2015, strategic issues, STBM implementation plans (national, provincial, Kabupaten/Kota, Kecamatan and Desa/Kelurahan), financial support, and monitoring-evaluation tools.

Global Handwashing with Soap Day (GHWD)

IUWASH supported the Global Handwashing with Soap Day which was implemented by MOH. The event was held in Parkir Timur Senayan on 18 October 2015, participated by the Minister of Bappenas and MOH. The opening remarks was delivered by the Minister of Health and followed by discussion with children. 1.000 children from schools in Jakarta participated actively in the event. Duta Sanitasi and natural leader from across Indonesia also participated.



IUWASH
IUWASH COP (Louis O'Brien) and Sharad Adhikari (WHO) are accompanying M. Subuh from Ministry of Health to practice handwashing with soap

During the event IUWASH was awarded as an active supporter for GHWD as well as active supporter for STBM.

As part of support to GHWD, IUWASH collaborated with www.dokter.co.id and published the information about handwashing through website and social media.



IUWASH
IUWASH staff is explaining on the improved hygiene behavior practices by using IUWASH sticker and brochure.

National Conference on Water and Sanitation/Konferensi Air Minum dan Sanitasi Nasional (KSAN)

IUWASH supported the 2015 KSAN that was held on 11 November at Gedung Pusat Perfilman Usmar Ismail, Jakarta.

During the event the Mayor of Makassar City presented the city's experience in promoting sanitation through UPTD PAL. The UPTD PAL has played an important role in promoting sanitation and delivering sanitation service. Makassar was the first city to launch the regular desludging program and has been actively supporting CBO that manage communal systems (IPAL komunal).

During the KSAN event the winner of AMPL Award for the categories government and non-government were announced, including IUWASH partners: Kota Bogor and Kabupaten Malang (local government), PT. Bank BPR Jombang, Koperasi KPP UMKM Syariah Kabupaten Tangerang and KSM An-nur Kota Probolinggo (non-government).



IUWASH
The winner of AMPL Award for non-government category.

ToT Urban Sanitation Promoters

The disseminated USP guide has been accepted by partners and key GOI institutions as the new "standard" to promote sanitation in urban setting. In order to provide skilled trainers who understand the urban sanitation concept and urban sanitation promotion, IUWASH developed a TOT module for disseminating

the USP messages. TOT trainings will be held at national, regional and selected kabupaten/kota levels (based on request from the local government).

The first ToT was held in Makassar, on 2 – 4 November 2015. Participants of the training were partners organizations (including, media, university, CBO and NGO) and local government from South Sulawesi, Ambon and Jayapura.

Promotion of individual household sanitation

As most of the regional SAN-I programs are ongoing, IUWASH continues collaborating with micro-contactors (wirausaha sanitasi), cooperatives, credit unions and microfinance 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 the 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 microfinance institutes in 23 local government jurisdictions for promoting microfinance 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 fosters networking amongst potential stakeholders and build capacity to enhance stakeholder knowledge and MF support.

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

During the reporting period microfinance was provided for the construction of “Jamban Sehat” (flush WC with septic system) for 550 households, which brings the total number of households that have gained access to improved individual sanitation through microfinance to above 4,500 units.

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

Region	Local Government	MF Partner	Status	Notes
West Java/DKI Jakarta/Banten	Tangerang District	- 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 1,435 units 	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.
	Bandung District	- Local Government/Dinas Kesehatan - BPR Kab Bandung	<ul style="list-style-type: none"> • Stakeholder agreed on 3 years program for utilization of Rp 5 Bio allocated by BPR Kertaraharia 	The collaboration between the LG, BPR, Sanitation Entrepreneurs, PKK and Sanitarian results in a promising MF scheme for supporting the roll-

Region	Local Government	MF Partner	Status	Notes
		- Sanitation Entrepreneurs - PKK	<ul style="list-style-type: none"> Dinas Kesehatan allocated impl. supporting budget for 17 new and 12 onging kelurahan Achievement to date 285 units managed by 12 sanitation entrepreneurs 	out and the sustainability of the program.
East Java	Jombang District	- Bank Jombang - BRI - Koperasi Desa - Koperasi Harapan Kesamben	The sanitation credit scheme has reached to date more than 1,500 households	Bank Jombang is one of the key players for the development of microfinance for sanitation in East Java. Their microfinance scheme for sanitation is now one of the flagship products, which is gaining attention within the region
SSEI	Pinrang District	- Coop. Denas 66 - Bank Sulselbar - San. Entrepreneur - Dinas Kesehatan	The sanitation credit scheme has reached to date more than 300 households	Commitment of LG Kab Pinrang through BPD Sulselbar to support MF San of Coop. Denas. Bank Sulselbar provides seed funding

Regional Achievements during the this Quarter

The following table provides the 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	Phasing out	YAKMI, Perkim
1.2	Kota T. Tinggi		200		IUWASH & PNPM
1.3	Kota P. Siantar		200		IUWASH, CU Mandiri & Saroha
1.4	Kota Sibolga		130		IUWASH, Perkim
1.5	Kota T. Balai		40		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.	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

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
3.5	Kab Semarang	IUWASH plays a major role in creating demand and establishing the supply chain in support of these activities	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
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 outlines the main SAN-I achievements in the five IUWASH regions.

North Sumatera Region:

- Continuing of strengthening of established CBOs to maintain 600 individual bio filter septic tanks in Belawan, while waiting construction are being in construction process by Dinas Perkim Kota Medan;
- Promoted individual sanitation by provision of pilot project 12 unit in Tanjungbalai and 30 in Sibolga;
- Development of individual sanitation system by synergy of STBM and PNPM in Kota Tebing Tinggi;
- Finalization of Kedoteng design and send it to Medan, Sibolga and Tebing Tinggi.

West Java, DKI Jakarta and Banten Region:

- Kab Bandung: monitored “wirausaha sanitasi” Ds. Cileunyi Wetan and coordinate with KWS,



IUWASH
Checking the main hole of communal system in Tebing Tinggi.

- Sanitarian, and BPR for liquidation of funds from BPR for the construction of 70 potential customers;
- Kab, Bandung: Coordination with KWS and Sanitarian from Soreang of which 7 potential customers are waiting for the liquidation of Bank credit;
- Kab. Bandung: IUWASH assists BPR Kab Bandung in the development of SOP for sanitation credit
- Kota Bekasi: Conducted Talk show on STBM and UPTD on Radio Elangga in Kota Bekasi;
- DKI Jakarta: Conducted hygiene promotion training to Pokja Pademangan, KSM Karkun, KSM Margamulya. The promotion will be conducted for 6 months in the three areas;
- DKI Jakarta: Koperasi KPP UMKM Syariah, received AMPL Awards for best innovative micro-credit schemes provided for the poor in Kab Tangerang and Kab Serang;
- DKI Jakarta: Participated in Urban STBM Workshop conducted by World Vision Indonesia (WVI);
- Kab Tangerang: monitoring credit sanitasi CSR PAS, Gebrak Pakumis, SERASI, "1000 jamban TNI";
- Kab. Tangerang: Assisted USAID India visit to Kab Tangerang to learn more on innovative micro credit scheme conducted by KPP UMKM Syariah;
- Kab. Serang, Lebak and Tangerang -- Monitored grant program progress done by DIM and its collaboration with the CSR Indosiar sanitation credit program. The program is well in progress;
- Kab. Serang --'Monitored "SMS" Margasana" grant that is functioning very well. More households are connecting their individual sanitation system to the IPAL totaling 101 house connection (SR);
- Kab. Lebak and Kab. Serang -- Field monitoring on credit sanitasi CSR Indosiar went well.

Central Java Region:

- Workshop on Sanitation development funding through microcredit. Attended by 3 BPRs and BPD of Kab Sukoharjo. all financial institutions are interested to learn more about this;
- Enumerator Training for Hygiene Behavior survey in Surakarta, Salatiga, Kab Sukoharjo, and Klaten, attended by 19 Enumerator and 1 coordinator. The training was conducted in Surakarta;
- Enumerator Training for Hygiene Behavior Survey in Kota and Kab Semarang, Kudus, Rembang, Kendal, and Batang. The training was followed by 24 Enumerator plus 1 Koordinator;
- Hygiene behavior Survey of 10 cities/districts in Central Java region. The survey has been done by 43 enumerators with 1.700 samples. The survey was done in Oktober to November 2015;
- FGD on Sustainability of sanitation development, focusing on optimization of IPLT and the institution to anticipating the recent massive development of individual/community based sanitations. The FGD followed by participants from Bappeda, Dinas Kesehatan and Dinas PU;
- Workshop on Identification of the result of individual sanitation development and development plan of P2KP Kab Sukoharjo. Attended by 50 participant from BKM dan facilitators. It is expected of additional latrines development around 46 units in Kecamatan Baki Kab Sukoharjo.

East Java Region:

- Administration and Bookkeeping training for SME in construction individual sanitation systems;
- Workshop on evaluation septic tank construction for Surabaya, Sidoarjo, Gresik, Lamongan;
- Practical work on building septic tanks to support UPT PAL Gresik;
- Facilitated event handwashing with soap campaign as celebration of National Health Day (HKN) in Batu.



IUWASH

Bapak Dimin from Banjardowo-Jombang is happy to have new septic tank from microfinance program.

About 800 Students from 26 Primary Schools around Bumiaji Sub District participated in handwashing with soap practicing. This event was a part of Bumiaji Sub District events since in June 2015 involving Private Sectors like Bank Jatim, Wings Surya, KUD Batu, and some Hotels in Bumiaji.

South Sulawesi and Eastern Indonesia Region:

- Refresh Training for entrepreneurs' sanitation in Bantaeng, including how to create the proposal;
- Workshop and Socialization of the Individual Sanitation for staff UPTD PAL and Team PROSINTA, including for staff of sludge trucks in Makassar;
- Maintenance and encourage Health Department and KSU Denas 66 in Pinrang district for replication of sanitation access with micro finance;
- Monitored progress for Sanitation access through micro finance in Pinrang, and Maros;
- Workshop for Individual Sanitation related budget changes and village budget (Anggaran Dana Desa) in Takalar which are intended for individual sanitation program in 6 *kelurahan* in Kab.Takalar.

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 and oversight of regional programs;
- Support regional key workshops and close out events;
- Implement national MF workshop in collaboration with Water.Org;
- Continue dissemination of IEC materials;
- Finalize TOT program for master trainer for disseminating the urban STBM approach;
- Finalize septic tank performance study;
- Finalize training material for development of sanitation entrepreneurs;
- Finalize & disseminate Sanitation Toolkit.

North Sumatra Region:

- Continuing post construction supports to biofilter's beneficiaries in Medan Belawan.

West Java, DKI Jakarta and Banten Region:

- Continue to monitor the grant program done by DIM;
- Assist with the training of “wirausaha sanitasi” in the target areas;
- Monitor the CSR sanitation programs now conducted through SCTV and Indosiar;
- Monitor and assist Gebrak Pakumis, SERASI, “1000 jamban TNI” program;
- Continue training sanitation construction to Gebrak Pak Kumis, 1000 Jamban TNI Programs;
- Continue with media Promotion (material printing/ hygiene promotion for the use and maintenance.

Central Java Region:

- Technical training on building proper septic tank in urban area for 50 personnel of KODIM Kab Sukoharjo to support development of 1000 latrines programs of KODIM.

East Java Region:

- Monitoring and Evaluation for Individual Sanitation System Implementation, including:
 - a. Training for construction of septic tank with upflow filter;
 - b. On the job training construction of standard septic tank.

- Monitoring and Evaluation for Sanitation Marketing, including:
 - a. Advocacy to Financial Institutions;
 - b. Training for improvement of household sanitation promotion.
- Monitoring and Evaluation for Sanitation Marketing, including:
 - o SME Capacity Building for business development.
- Training for Urban Sanitation Promotion.

South Sulawesi and Eastern Indonesia Region:

- Continuing monitoring and technical support for Micro Finance implementation in Pinrang, Sidrap, Maros, and Takalar;
- TOT Sanitation Promotion for Kota Andalan in Ambon.



IUWASH
Training on proposal development for sanitation entrepreneurs in Kab. Bantaeng.

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

Summary of Achievements to Date

Until the end of the reporting period as of September 2015, a total of 22,623 households (or about 113,115 people) acquired 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. Additional progress of this outcome will be reported the next quarter because this outcome is reported semi annually.

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. This is achieved through both the strengthening of community based organizations (CBO) – (KSM/KPP) and involving 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;
- 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 LPPM ITS in Surabaya;
- Ongoing support to East Java and Makassar for sustainability of KSM/KPP SANIMAS USRI through advocacy of local government and UPTD;
- Finalised USRI assessment and disseminated results to PPLP and Bappenas.



IUWASH
Promotion of Handwashing practices in the celebration of National Health Day in Kota Batu.

Regional Achievements during the last Quarter

The following table provides the 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	Because of IDB delay in program implementations no further activities	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			
1.3	Binjai	SANIMAS IDB	150	2015			
1.4	Pematang Siantar	SANIMAS IDB	240	2015			
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	Intensified stakeholder collaboration for focusing on exit strategy
4.5	Kota Malang	SANIMAS USRI, DAK SLBM	1,600	2011-14	post-constr.	TA & CB during post construction by BEST	
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	Phasing out of activities	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			
5.3	Kota Parepare	DAK SLBM	400	2010-13			
5.4	Kab Pinrang	DAK SLBM	200	2010-13			
5.5	Kab Sidrap	DAK/SLBM		2010-13			
5.6	Kab Bantaeng	DAK/SLBM	440	2010-13			
5.7	Kab Jeneponto	DAK/SLBM	40	2010-13			
	Total		14,110				

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

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

North Sumatra Region

- Provide on the job training for technical and managerial for 9 KPPs in Pematangsiantar and 27 KSMs in Tebing Tinggi;
- Provided post construction support for communal systems in Pematangsiantar;
- Organizational support to PEMDA Tebing Tinggi to visit Banda Aceh to learn on use of Biogas for IPLT and communal systems in pesantren (budget by PEMDA).

West Java, Banten and DKI Region:

- Kota Bogor: Assist with house connection in Bubulak and Cilendek Barat by Wasbangkim is a success since the socialization on the use and cost is well understood by the community;
- Kab. Serang : Support AKSANSI Serang to train KSM on SLBM post construction activities especially on the function of the team mobile for desludging activities.;
- Kab. Bandung: Training to KSM on IPAL Communal construction and the piping network installation supervision. The training also included household connection promotion;
- Kota Bogor: Capacity building KSM SANIMAS in urban sanitation promotion including sanitation management in operation and maintenance;
- Kab. Bandung: technical training to KSM on how to supervise the construction of IPAL SABERMAS and promotion techniques to households to connect to the system.

Central Java Region

- Training on communal house connection techniques for KPP Rembang (attended by 40 people) and KPP Kudus (attended by 30 people);
- Community gathering on Gender Pilot Program in Surakarta. The action attended by 50 participants;
- Workshop on technical capacity building for KPP and KSM of communal sanitation in Surakarta, the workshop was attended by 88 participants.

East Java Region

- Organized “Workshop Rencana Pengembangan Sanitasi Kota Surabaya menuju 100-0-100” by grantee LPPM-ITS, attended by KPPs from 19 Communal Sanitation System and Sanitarians from 16 Puskesmas and 19 Pokja Sanitation members from related SKPDs in Kota Surabaya;
- Conducted Workshop “Sinergi Pembangunan Sarana Sanitasi Individual dan Komunal untuk Mencapai Universal Access di Kab Jombang” as the close out event Grant Program EJ 004 and 006;
- Conducted Training for KPP/KSM IPAL Komunal and Sanitarians in Batu Gresik, Jombang and Surabaya about Gender Mainstreaming, Proposal development and Sanitation Promotion.

South Sulawesi and Eastern Indonesia Region

- Support improving IPAL Communal in Makassar (kecamatan Barana, Maradekaya, Mangala and Tamparang Keke) by triggering new connections, resulting in 200 households can be connected;
- collaborated with Public Department in Makassar on construction progress of IPAL in 4 locations. IUWASH supported FGD with cadre, facilitator and UPTD for preparation system management;
- Encourage the collaboration between community organization (KSM) and UPTD PAL Kab Maros and Kota Ambon on the mechanism of willingness and ability to pay of monthly retribution on IPAL Kawasan, including preparation the community to start the payments.

Planned Key Activities for the next Quarter

National:

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

- Continue 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 collaboration with PPLP of the Ministry of Public Works and Housing;
- Monitor and support regional implementations;
- Continue sustainability support to KSM/KPP operations in Makassar and East Java;
- Finalization of Buku Saku and Flip Chart on Communal Sanitation;
- Finalization of assessment results of SANIMAS USRI from East Java, Central Java and Makassar.

North Sumatra Region:

- Training for sanitation master trainers;
- Initiate establishment of AKSANSI in Tebing Tinggi and Pematangsiantar.

West Java, DKI Jakarta and Banten Region:

- Training to KSM and AKSANSI in targeted Kabs in West Java and Banten will be continued in order to increase sanitation access through communal systems.

Central Java Region:

- Training on socialization skill for KPP of IPAL small scaled sewerage in Desa Gumpang and Kelurahan Jombor in cooperation with sAIIG team.

East Java Region:

- Capacity building to KPP/KSM Sanitation communal System for Kota Surabaya, Probolinggo, Malang, Batu, and Kab Gresik, Jombang and Malang, including:
 - a. Proposal writing and Gender Mainstreaming in sanitation;
 - b. Capacity Building for Forum KPP Communal Sanitation System.

South Sulawesi and Eastern Indonesia Region:

There is limited activities planned next quarter in this region due to closing of IUWASH SSEI office.

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

Summary of Achievements to Date

In this quarter, IUWASH continued to support the efforts to increase number of household connections (HC) to small sewerage systems and city-wide sewerage, which were financed through APBN, INDII/sAIIG and APBD. Detailed IUWASH activities in support of the development of off-site sanitation are described in the following section. IUWASH contributes to the long term sustainability of off-site sanitation systems through a number of interrelated activities, including capacity building for operators on O&M and training for enhancing the promotion and marketing for increasing the number of house connections.

In regard to operational responsibilities, IUWASH supports institutional development of existing institutions (e.g. PDAM in Medan, Solo, Bogor) and supports the establishment of new technical management units (UPTD), which is further explained under the SAN-5 section.

For selected locations IUWASH also provided technical design support for treatment facilities, sewer extensions and new house connections as a complimentary contribution to ongoing APBN construction budgets. Activities carried out during the reporting period include:

Budget Advocacy with the Ministry of Public Works and Housing

- Continued advocacy support for APBN budget allocations 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 existing 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, Rp 4 billion for new IPLT in Tebing Tinggi, Rp 3 billion for the rehabilitation IPLT Kota Asahan and Rp 4 billion for IPLT Kab Tanggerang.

Budget Advocacy with Local Governments

- Continued to support APBD budget allocations 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 a new WWTP to provide access for 800 new house holds in Soreang (on going construction process).

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

Kab/Kota	Program Description	Budget allocation (Rp x mio)				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)	Finalize of Construction process
	IPLT (new)	5,000	-	-	120 (DED-2013)	APBN budget 2016 allocated
Kota Binjai	Small Scale Sewerage System (600 HC)	6,500	-	400	150 (DED-2014)	Ongoing construction for WWTP, sewer & prepare APBD Budget for 200 HCs (allocated in Oct 2015)
	IPLT (rehabilitation)				(included in DED Tebing Tinggi)	Plan for APBN 2017
Kota T. Tinggi	Small Scale Sewerage System (360 HC)	-	-	200	200 (DED 2013)	Ongoing construction
	IPLT (new)	4000			200 (DED 2015) incl. 4 IPLT in Sumut	Allocated for APBN 2016
Kota T. Balai	Small Scale Sewerage System (400 HC)	4,000	-			Continued lobbying for APBN budget allocation IPLTT Plan for APBN 2017
	IPLT (rehab)	3,000			(included in DED Tebing Tinggi)	
Kota Sibolga	IPLT (rehab)	3,000	-	-	(included in DED Tebing Tinggi)	Allocated for APBN 2016
Kota Asahan	IPLT (rehab)	3,000			(included in DED Tebing Tinggi)	Allocated for APBN 2016
WEST JAVA-BANTEN & DKI						
Kab. Bandung	Small Scale Sewerage System (800 HC)	-	4,400	75	100 (DED 2015)	Finalize of Construction process
Kota Bogor	City Sewerage System (800 HC)	-	-	200	100 (pipe crossing 2015)	Ongoing construction of pipe crossing & 40 HCs

Kab/Kota	Program Description	Budget allocation (Rp x mio)				Progress
		APBN	APBD Prov.	APBD Kab/Kota	IUWASH	
Kota Bekasi	Small Scale Sewerage System (120 HC)	-	-	-	700 (Grant 2013)	IPAL construction finalized, Finalize for construction of HCs
	IPLT (Extend capacity & Rehabilitation)			400 (DED)	coordination for DED	Allocation 4 Bio for construction in APBD in 2016
Kab Tanggerang	IPLT (rehabilitation)	3,000			Coordination for DED)	Allocated for APBN 2016
DKI	Main pipe rehabilitation in Kel. Komando		900		HCs in Karet Kuningan	Main pipe repaired by PD PAL
CENTRAL JAVA						
Kab. Sukoharjo	Small Scale Sewerage System in Gumpang & B.Sari	-	-	500	Promotion & CB , by SAN-1 & SAN-5	Finalize for House connection program (remain 150 HCs)
	IPLT (New)	3,000	-	300	80 (DED 2014) include Batang	Finalize of Construction process
Kab. Batang	IPLT (Rehab)	2,000	-	200		Finalize of Construction process
Kota Surakarta	IPLT (Rehab)	5,000	-	400	150 (DED 2014)	Finalize of Construction process
Kab Rembang	IPLT (rehabilitation)	3,000		125 (DED)	Only coordination and discussion	Allocated for APBN-P 2015, construction process
EAST JAVA						
Kab. Gresik	SSSS Karangkring, Dahanrejo, Bunder Asri & Randu Agung (1,200 HC)	-	-	800	Promotion & CB by SAN-1 & SAN-5	Continue house connection program & CB for UPTD and KPP
Kab Probolinggo	Community triggering for HCs "IPAL Kawasan)			100	Promotion & CB by SAN-1 & SAN-5	Continue house connection program & CB for UPTD and KPP
SSEI						
Kota Ambon	Small Scale Sewerage system (500HC) in Nania(sAAIG) & Passo (IUWASH)	-	-	200	700 (Grant 2013)	Finalize house connection program
Sub Total (Rp x mio)		51,500	5,300	12,000	2,830	

Regional Achievements during the last Quarter

The following table provides an update of the summary of regional achievements of increase of improved community access to off-site sanitation systems in IUWASH areas.

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

Location	Type of IUWASH Support	Progress (QPR#19)	Next Activity	Potential HCs	
North Sumatra					
1	Medan	Agreement on WWM development amongst KemenPU, Province and Kota Medan	Started implementations	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 	<ul style="list-style-type: none"> Finalized DED Started implementation of construction 	Finalized 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 & Sewer 	<ul style="list-style-type: none"> Coordination and limited monitoring for construction Ongoing lobbying budget for HCs (APBD- 2016) Promotion for HCs 	200
3	Kota TebingTinggi	Community survey, promotion, DED (WWTP and sewer) for sAIG in Kel Mandailing and Badak Pejuang	Finalized DED Construction of additional HCs	Ongoing promotion and construction of additional 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	Limited coordination for APBN 2016	400
West Java, Banten,DKI					
1	Kota Bogor	DED for pipe crossing and HCs	<ul style="list-style-type: none"> Finalized for DED & bidding process Ongoing support for community socialization 	Finalized construction	120
2	Kab. Bandung	DED for rehab. of WWTP & sewer of existing small scale sewerage system Soreang	<ul style="list-style-type: none"> Finalized DED Socialization and construction process 	<ul style="list-style-type: none"> Support for monitoring & coordination during construction Lobbying APBD 2016 for remaining (idle) HCs 	700
3	Kota Bekasi	Construction of pilot small scale sewerage system Kel. Marga Mulya	<ul style="list-style-type: none"> Finalized construction Ongoing lobbying support for additional HCs and replication program in 2016 	Ongoing lobbying support for additional HCs and replication program in 2016	125
4	Kab. Serang	Community survey and promotion of HCs to small scale sewerage system in 4 location (built in 2014) for sAIG system	<ul style="list-style-type: none"> Coordination with LG and sAIG to resolve the technical problems 	<ul style="list-style-type: none"> Ongoing coord. with LG and sAIG Preparation of best practice for SAN-3 	600
5	DKI PD PAL Jaya	Promotion and construction of HCs in Karet Kuningan	Ongoing HCs promotion	Continue HCs promotion and additional HCs in Karet Kuningan	73
		Coordination for repair of main pipe in Jl Kommando Raya	Main pipe repaired (finish end of Dec 2015)		

Location		Type of IUWASH Support	Progress (QPR#19)	Next Activity	Potential HCs
Central Java					
1	Kota Surakarta	Promotion of HCs (sAIG) & APBD budget advocacy for construction of HCs → Indii program (not sAIG)	Ongoing HC promotion (Indii program)	Support for additional 1,000 new HCs in 2016	1,000 + 1000
2	Kab. Sukoharjo	HH survey, demand assessment & promotion of HCs for Kel Gumpang (250HH) and Kel Bondosari (200HH – sAIG)	<ul style="list-style-type: none"> Capacity building and technical training for UPTD Remaining 200 HCs (not yet connected) 	<ul style="list-style-type: none"> Continue for capacity building for UPTD Community training socialization / promotion of add. HCs, including KPP training for sAIG locations 	450
East Java					
1	Kab. Gresik	<ul style="list-style-type: none"> Community survey & demand assessment - Karangkring (400HC), Dahanrejo (400HC), and BunderAsri (400HC) 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
2	Kab. Probolinggo	Support for socialization/ demand triggering/ promotion and community training	Supported socialization for 450 HCs, community training and triggering	Continue program to increase 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 program to increase HCs	500
2	Kab. Maros	Community household survey, demand assessment and demand triggering in 5 locations	<ul style="list-style-type: none"> Training of promotion for cadres at 5 sAIG locations, incl. Camat and Lurah Capacity building for promotion team (Prosima) 	Continue program to increase HCs	1000
3	Kota Ambon	Household survey, demand assessment, demand triggering & DED for Kel. Nania (sAIG) & Kel. Passo (pilot IUWASH)	Continue to promotion for additional HCs with Pokja AMPL kota Ambon Team	Continue program to increase HCs	600

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

North Sumatra Region:

- Monitoring on construction of IPAL Tangsi in Binjai;
- Capacity building of pokja promosi by improving of communication skills for Medan and Binjai.

West Java, DKI Jakarta and Banten Region:

- Kota Bekasi: Monitoring and evaluation of the Small Scale Sewerage System in Margamulya Village implemented by Ganeca (grantee) for a capacity of 120 households. Construction underway but need finalization of some of the piping installation;
- Kab. Bandung: Socialization on household connection to IPAL Soreang done with 400 house connections in Dusun Sukarame and Dusun Sukamaju;
- DKI Jakarta: Promotion campaign of Sewer System in Karkun with 143 household connections;
- Kota Bogor: Pipe Crossing Villa Citra constructed with 6 house connection (more in next quarter).



IUWASH
Monitoring and evaluation of the Small Scale Sewerage System in Margamulya Village implemented by Ganeca (grantee) for a capacity of 120 households.

Central Java Region:

- Capacity building for KPP IPAL of small scale sewerage of Kel Jombor, Kec Bendosari and for UPTD PAL-D Sukoharjo. PT. SCM Tirta Utama (as grantee) supported UPTD to develop and implement SOP. The IPAL has connected 195 households by sAIIG;
- FGD on establishing KPP IPAL of small scaled sewerage of Kec Kartosuro, Sukoharjo with 28 people from community leaders, Kepala Desa, Kepala Dinas and staffs of PU Sukoharjo and the team of sAIIG. The small scaled sewerage in Desa Gumpang has connected 264 households.

East Java Region:

- Refresh Training of Triggering for Sanitarians and Health Cadres to support sAIIG Program implementation in Kab Probolinggo.

South Sulawesi East Indonesia Region:

- IUWASH / SSEI involved in selection location for IPAL Kawasan in Ambon for FY 2016. Two IPAL Kawasan are Kelurahan Benteng that serve for 200 HH, and Belakang Soya that serve for 200 HH.

Planned Key Activities for the next Quarter

National:

- Continue APBN budget advocacy with PU for 2016-2017 for small sewerage and IPLT construction;
- Support monitoring & operator (KPP-UPTD) capacity building for small sewerage, including sAIIG ;
- Preparation of best practice booklet for SAN-3 program implementations;
- Support regional program for promotion of additional HCs in current SAN-3 locations.

North Sumatra Region:

- Improvement of house connection's database and verification together with Sa tker PAMS, Dinas Perkim and PDAM Tirtanadi.

West Java, DKI Jakarta and Banten Region:

- Continue with the monitoring and completion of the small scale sewerage system in Kota Bekasi to fully function the system;

- Continue promotion and socialization for additional house connection in Karkun, Soreang and Villa Citra Tegal Gundil as much as possible.

Central Java Region:

- Advocacy for KPP on socialization of maintenance of house connections in IPAL small scaled sewerage in Desa Gumpang and Kelurahan Jombor in cooperation with sAIG team.

East Java Region:

- Monitoring program sAIG Kab Gresik dan Probolinggo.

South Sulawesi East Indonesia Region:

Limited activities are planned for the next quarter in this region due to closing of IUWASH SSEI office.

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

Improved Urban Septage Management (IUSM) represents a series of activities including and not limited to; 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 (see below) to identify appropriate tariff settings and fee collection methods. Equally important to the process is the establishment of a customer data base and the identification and registration of septic tanks. This requires the implementation of site surveys/census and the availability of a functioning GIS supported data base.

The following points summarize the progress in this quarter

Meeting with Ministry of Public Works and Housing

IUWASH National team continued discussions with the Ministry of Public Works and Housing on LLTT programs as well as technical options for IPLT designs. The technical discussion on introducing mechanical option for improved IPLT design was started this quarter by consultant hired by WSP and will be continued by IUWASH, who engaged services of Dave Robbins, LLTT expert with extensive experience in mechanical IPLT from the Philippines. He will start his assignment in January 2016, including field trips to IUWASH locations and further discussions with PUPR.

As a follow-on to the meeting with WSP and PUPR, IUWASH took an initiative to convene a LLTT coordination meeting involving PURP, WSP, and USDP. The first Coordinating meeting was held on December 7 and updates were provided by each program and detailed discussion on critical issues (LLTT training, planned visit by AkkOPSI members to Philippines, recruitment by PUPR of LLTT consultants for 2016, etc) were also discussed. It was agreed that this will be a monthly meeting with rotating host (January by WSP and February by USDP). After this meeting IUWASH team presented the financial module to PUPR, who accepted the approach to calculate the base tariff for cost recovery desludging services. The module will be included in the LLTT guidance handbook (*Buku Pengembangan LLTT*), which is under development by IUWASH National team. Draft should be ready by end of January 2016.

The LLTT animation for general purpose as well as for four IUWASH cities was completed by the end of this quarter and will be used for further promoting LLTT at the National and the Regional level. The software for the android census on septic tank information required to plan LLTT was started late November and first testing was done in December. In January this will be followed by fieldtesting in DKI.

Following is a summary of IUWASH support to six LLTT locations in the last quarter:

- **Kota Surakarta:** The LLTT program for Solo was formally launched in November by the mayor and USAID deputy mission director and included talkshow with the Mayor of Makassar, PDAM Solo and USAID on the benefits and commitment from all parties. Further promotion has already taken place and first 200 houses are desludged in this quarter on trial basis (testing the MIS system using barcodes and GPS tracking). The larger program will start in early 2016, once the regulation is signed;
- **DKI – PD PAL Jaya:** IUWASH continued supporting PD PAL with promotion of regular desludging in three Kelurahan (Rawamangun, Pademangan Barat and Kemanggisan) and co-signed an MoU with Kelurahan Lenteng Agung and PD PAL to also start desludging services. In all locations IUWASH team (National and 3 seconded staff) work closely with PKK cadre for various promotional campaigns, socialization and other outreach activities. Discussion on the preparation for LLTT Business Plan continued which now includes the planning of an additional Rp 70 billion (US\$ 5 million) that PD PAL received from the DKI government, for upgrading their 2 IPLT, prefinancing regular desludging, development of communal septic tanks and some other critical activities. IUWASH also discussed development of dedicated LLTT team within PD PAL;
- **Kota Bogor:** After presenting LLTT to the Mayor of Bogor and obtaining his commitment to start this program in Bogor, with PDAM as the future LLTT operator, IUWASH conducted a two day workshop with all local parties, UPTD, PDAM, BAPPEDA, Department of Health, Public Works and the Community sanitation forum. A roadmap for LLTT introduction was agreed upon, including the selection of the zone for the first phase of desludging. A critical point which was identified in the workshop was the capacity of the IPLT (Tegal Gunding), which at this moment is large enough, because almost no trucks use it, but once LLTT start the current capacity (25m³/day) will be insufficient. This is a very good candidate for upgrading from conventional to semi-mechanized and in december a delegation from Bogor (UPTD, Bappeda, PDAM) visited 2 IPLTs in DKI, where a similar technology is already in operation. The STTA assignment from Dave Robbins will follow up on this in January 2016. IUWASH team are also still conducting coordination meetings with Bappeda, UPTD and PDAM on formalizing the regulation of ‘Regular Desludging’;
- **Kota Makassar:** In this quarter the focus was on development of customer database for regular Desludging, combined with GIS mapping & MIS system for the UPTD, as the Septage Management operators. IUWASH also continued pushing local G‘ment and DPRS for completing the drafting of a local Waste Water regulation and revision of the Perda on service fee for regular desludging;
- **Kota Malang and Kota Medan:** In these two cities the LLTT program was started in this quarter, first through participating in the workshop in Bogor and subsequent LLTT launching in Solo, which was then followed by serial meetings and discussions in each city by IUWASH Regional and National teams. Together with local stakeholders LLTT tariffs were calculated in each city, using the IUWASH modules. Also IUWASH consultant identified the current MIS systems of each PDAM, designated to be the LLTT operator in each city. The IPLT of Malang was reviewed and all parties agreed it is not big enough and as the site is also not good, PUPR agreed to develop new IPLT (DED to be developed in 2016 and construction in 2017), while for the moment existing IPLT can still be used. In Medan there is currently no IPLT, but the idle capacity of the IPAL (Waste Water Treatment Plant) is still sufficient for 2016 and 2017 to handle increased septage. A DED is already developed and discussion are now finalized with PUPR for funding by APBN.



IUWASH
Discussion on development of regulation supporting LLTT development in Kota Medan.

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

North Sumatra Region

- Support implementation of LLTT steps in Medan by tariff calculation, PKS-KSP preparation and census of septic-tank customers

West Java, Banten and DKI Region:

- Kota Bogor: conducted workshop on development of LLTT team, attended by PDAM, Bappeda, DKP/UPTD, Wasbangkim, Dinkes. It was decided that PDAM will be the LLTT operator;
- Kota Bogor: PDAM and UPTD Bogor visited PD PAL Jaya to share experience in LLTT management.
- Kab. Tangerang: socialization LLTT in 50 schools (SANISEK) of a target of 250 schools;
- DKI Jakarta: work in collaboration with respective Kelurahan, PKK, Pokja Kedoteng and PD PAL Jaya to start implementing LLTT program in Kelurahan Rawamangun, Kemanggisan and Pademangan Barat. LLTT program has been implemented to 178 customers in the three kelurahans.

Central Java Region

- Talkshow on Regular Desludging (Layanan Lumpur Tinja Terjadwal) in Paragon Hotel with Deputy Mission Director of USAID, Director of PPLP Kementerian PU, Sekda Kota Surakarta and Walikota Makassar. The talkshow is related to launching of Regular Desludging program in Kota Surakarta;
- Launching of Surakarta Regular Desludging Program (Layanan Lumpur Tinja Terjadwal-L2T2) in Loji Gandrung, Pendopo Walikota. The ceremony was carried out by Walikota, Deputy Mission Director of USAID, Director of PPLP Kementerian PU, and Director of PDAM Kota Surakarta;
- Socialization on regular desludging (L2T2) in Kelurahan Manahan, Surakarta. 30 participants from community leader and community figure also PKK, Bappeda, and PDAM Kota Surakarta;
- FGD on Draft SOP of SL2T2, followed by 10 staffs of PDAM Kota Surakarta, consist of Direkur Teknik, staf Bagian Keuangan, staf Bagian Hubungan Langgan, and Kepala Bidang Limbah Cair;
- FGD advocacy on organization structure and task (Tupoksi) focusing on the L2T2 section establishment. The FGD was attended by 11 staffs of PDAM Kota Surakarta, consist of Direkur Teknik, staf Bagian Keuangan, staf Bagian Hubungan Langgan, and Kepala Bidang Limbah Cair;
- FGD on socialization of L2T2 program in 3 Kecamatan (Serengan, Laweyan, and Pasar Kliwon). 15 participant from Bappeda, PDAM, Aksansi, and Camat are actively involved in the event;
- FGD on operation plan of Putri Cempo IPLT regarding the try-out of regular desludging (L2T2). The event attended by 8 peoples from PDAM, Bappeda, and Satker PAMS Provinsi Jawa Tengah;
- Advocacy on signing MoU between private company of Septage truck and PDAM Kota Surakarta, The event followed up with technical coaching on L2T2 mechanism to private company.



Talkshow on LLTT Program in Kota Surakarta.

East Java Region

- Workshop Preparation of Action Plan for Regular Desludging (L2T2) in Kota Malang;
- Training and Workshop for Socialization Strategy for using Standard Septic Tank to support regular desludging program implementation (L2T2) in Kota Malang;
- Training for simulation desludging tariff in Kota Malang, by PDAM and Pokja AMPL Kota Malang.
- FGD to develop selection criteria of private sector to support Regular Desludging.

South Sulawesi and Eastern Indonesia Region

- IUWASH conducted capacity building for mechanism of “iuran” of regular desludging (LLTT) for KSM at Block A Tamalanrea. collection of “iuran” will be done by KSM, and to be transparent and accountable, UPTD prepared a memorandum of cooperation agreement with KSM. This mechanism was then implemented in Block B, H and J with 50 Households;
- SSEI also introduced the LLTT program in Kota Jayapura especially to Secretary and Head of SKPD. They agreed with planning for implement LLTT for government office as a priority in FY 2016/2017.

Planned Key Activities for the next Quarter

North Sumatera Region:

- Promotion and advocacy of scheduled desludging (LLTT) of Medan City

West Java, DKI Jakarta and Banten Region:

- Tangerang: Continue promotion and socialization of LLTT programs in schools – Sanisek programs;
- DKI Follow up capacity building and institutional strengthening for POKJA/ PKK for sustainable Kedoteng services and LLTT in DKI Jakarta
- Bogor Work closely with PDAM and UPTD to prepare them for LLTT;
- DKI:continue LLTT in four Kelurahan (Kemanggisan, Rawamangun, Pademangan and Lenteng Agung);
- Kota Bekasi: Continue assist the LLTT program and training the UPTD staff in customer service.



IUWASH

Training on LLTT Socialitation to IUWASH partners.

Central Java Region:

- Training/ capacity building on L2T2 implementation to improve understanding of L2T2 between PDAM Kota Surakarta and private companies (perusahaan mobil tinja);
- Support on Monitoring of L2T2 implementation of Kota Surakarta;
- Support on socialization of L2T2 in 3 kecamatan (Serengan, Laweyan, Pasar Kliwon).

East Java Region:

- Pra Revisi Business Plan PDAM Kota Malang dan Audiensi Walikota dan DPRD terkait L2T2;
- Sensus L2T2 Kota Malang (Pelatihan Enumerator, Analisa Data Sensus, Pemaparan Hasil Sensus, dsb);
- Integrasi L2T2 ke dalam MIS PDAM Kota Malang dan Sosialisasi L2T2 Kota Malang.

South Sulawesi East Indonesia Region:

- Continuing the capacity building for UPTD PAL kota Makassar especially reguler desludging;
- Collaboration activity on IPLT Training with Satker Pengembangan AMS South Sulawesi, Maluku and Papua Province.



IUWASH

Discussion with satker PLP Papua to promote the sanitation improvement in Kota Jayapura.

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 who are ultimately responsible for citywide waste water management.

Until the end of the reporting period, IUWASH is 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 also supporting four existing PDAMs to provide 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) Eight (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 in bold fonts).

**STATUS OF OPERATOR DEVELOPMENT (UPTD and PDAM)
41 Kota/Kab. Locations (incl. 4 PDAM)**

Status	North Sumatra	WJDB	Central Java	East Java	SSEI	Remarks
	1	4	4	4	1	14
Revitalization/strengthening of existing UPTDs/PDAMs	Kota Medan (PDAM)	Kota Bekasi Kab. Bekasi Kota Bogor UPTD & (PDAM) Kab. Tangerang	Kab. Sukoharjo Kota Semarang Kota Solo (PDAM) Kota Salatiga	Kota Probolinggo Kab. Jombang Kab. Probolinggo Kota Malang (PDAM)	l. Kota Makasar	10 Priority Locations (6 UPTD & 4 PDAM)
	5	1	2	5	6	19
Newly established UPTDs through IUWASH interventions	Kota Tanjung Balai Kota T. Tinggi Kota Binjai Kota Sibolga Kab. Asahan	Kab. Serang	Kab. Rembang Kab. Batang	Kab. Sidoarjo Kota Batu Kab. Gresik Kab. Mojokerto Kab. Lamongan	Kota Ambon Kota Jayapura Kab Maros Kota Parepare Kab. Pinrang Kab. Bantaeng	8 Priority Locations
		3	3	2		8
UPTD in formation process		Kota Tangsel Kab. Lebak Kab. Bandung (TT)	Kab. Kudus Kab. Semarang Kab. Kendal	Kab. Malang Kota Mojokerto		1 Priority Locations
Total	6	8	9	11	7	41
Priority Locations	3	4	4	5	3	19 (15 UPTD & 4 PDAM)

Note: Text in bold = Priority locations

National Achievements during 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). This included the preparation of five year 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’s training and capacity building;
- 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;
- Participated City Sanitation Summit (CSS) XV at Kota Padang to share IUWASH experience – lobbied with Bappenas the development of a template for provincial wastewater management Road Map;
- Conducted 3 days workshop with representatives of Bappenas, MoHA and PPLP for the dissemination of eleven sets of waste water management related knowledge documents, amongst others of Standar Operating Procedure (SOP), Urban Sanitation Toolkit, Flip Chart SAN-1/2, Sanitasi Indeks, Master Map and Perda template.

Regional Achievements during the this Quarter

The following table provides 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
1. Regulation in Support of UPTD Establishment	5	5	5	8	7	30
2. Established UPTD Structure, Functions & Procedures	4	5	5	8	7	29
3. Established UPTD Workplan and Operational Budget	1	4	2	6	4	17
4. Hired initial UPTD Staff	2	4	2	3	4	15
5. Established CB Plan for Prioritized UPTD Services	3	2	1	5	7	18
6. Develop SOPs and Conducted Staff Training	3	1	2	5	5	16

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

North Sumatra Region

- Started operation of IPAL Badak Bejuang in TebingTingi.

West Java, Banten and DKI Region:

- Kab. Bandung: Workshop for development of the roadmap of team mobile PAL;
- Kab. Bandung -- Workshop and development of PALD Kab. Bandung roadmap;
- Kota Bekasi : Assist with socialization PerWal PALD to SKPD and private sector especially on LLTT;

- Kota Bekasi: Training on Customer Service and promotion to UPTD PALD Kota Bekasi staff;
- Kota Bekasi: Workshop and agreement on PALD Kota Bekasi Final roadmap development;
- Kab. Serang: Identified follow up actions after Roadmap PALD of Kab. Serang has been signed;
- Kab. Tangerang – Mapping of schools to engage in LLTT done by UPTD with help of IUWASH

Central Java Region

- Field Training of UPTD PAL of Batang, Sukoharjo, Rembang and Salatiga to UPTD TPA & IPLT Kab Tabanan Bali, followed by 19 people from 4 cities/districts and facilitated by PT.SCM Tirta Utama;
- Closing workshop of UPTD domestic waste water establishment grant program in 7 cities in Central Java with grantee (PT.SCM). The workshop was attended by 17 participants from Kota & Kab Semarang, Rembang, Kudus, Kendal, Batang, and Sukoharjo;
- FGD on UPTD Sanitation Road Map (PALD) of Kota Surakarta, attended by 8 people from Bappeda, Badan Pusat Statistik, DPU, BLH, DKK;
- Workshop on UPTD Sanitation Road Map (PALD) of Kota Salatiga, attended by 18 participant.

East Java Region

- Signing and Socialization of Sanitation Roadmap Kab Jombang;
- Training for Pokja Sanitasi and UPTD for Domestic Waste Water Roadmap Part I, Kab. Lamongan;
- Coordination and synchronizing of UPTD PAL SOP, Kab Sidoarjo;
- Training of implementation of SOP for desludging in Kab Gresik;
- FGD for need identification of staff for UPTD Laboratory Kab Probolinggo;
- Signing and Socialization of Sanitation Roadmap Kota Batu, in the PEMDA regular coffee morning meeting which was attended by the Wakil Walikota, Sekretaris Daerah and all SKPDs. The Sanitation Roadmap is signed by the Sekda and all related SKPDs which are member of Pokja Sanitasi. It was then followed up with the integration of the roadmap in the SKPD's Strategic Plan.

South Sulawesi and Eastern Indonesia Region

- three days training about Data Base and GIS at six UPTD PAL, namely UPTD Parepare, Ambon, Jayapura cities and Maros, Bantaeng and UPTD Pinrang districts that was attended by 12 participants. And the result, all participants will follow up in each their districts/cities;
- IUWASH has been advocating to "decision makers" at both the provincial and district / city level in Ambon and Jayapura in accelerating achievement of access to sanitation through the concept of "SAN-Burger". IUWASH also support PEMDA to the Sanitation Road Map as planning document;
- SSEI has helped review the "wastewater master plan" kab. Jayapura. This activity was expected to the programs that recommended in this document is more measurable. In developing sanitary facilities need to support from APBD, and also need the help of the central/province government;
- One of the successes of sanitation services is "assets" for operational supporting of UPTD. Therefore, IUWASH encourage PEMDA Ambon, Jayapura, Pinrang and Maros to assess their assets for operation of sanitation services. After that assets will be transferred UPTD;
- SSEI also supports the review and refinement of "sanitary Road map" in 6 UPTD, particularly related to the implementation time because of changes in the budget, this activity is also a form of monitoring, evaluation and advocacy to all sanitation stakeholders.



IUWASH

Try-out of emptying septic tank at school facility in Kab. Tangerang.

Planned Key Activities for the next Quarter

North Sumatra Region:

There is limited activities planned next quarter in this region due to closing of Regional office.

West Java, DKI Jakarta and Banten Region:

- Kab. Serang: Follow up actions in line with the roadmap PALD;
- Kab. Bandung: Complete the roadmap of team mobile PAL and development of PALD;
- Kab. Tangerang: Mapping of number of potential schools who are willing to engage in the LLTT program done by the respective UPTD of which the school will pay for the desludging themselves.

Central Java Region:

- FGD and workshop on Roadmap UPTD PALD Rembang and Salatiga;
- Launching UPTD PAL-D of Kab Batang and Kab Sukoharjo.

East Java Region:

- Support UPTD to implement SOP in Gresik, Sidoarjo, Kota Probolinggo and Kota Batu;
- Institutional support for UPTD in Lamongan, Kab Malang and Kab Probolinggo;
- Disseminate IUWASH kepada Pokja Sanitasi Provinsi Jawa Timur (through workshop).

South Sulawesi and Eastern Indonesia Region:

- Continuing technical assistance to 6 UPTD PAL for a) monitoring and evaluation the Road Map and Technical SOP especially for Communal IPAL and IPLT; b) assessment the assets;
- Handing over the documents/reports the sanitation program to Local Government and partners as exit strategy (sustainable).

Section 3.4

CROSS-CUTTING SECTOR

IUWASH Cross Cutting programs continued this quarter to support areas that are of importance to both water supply and sanitation and which generally involve the broader enabling environment for related services. Cross-cutting program specifically targets; the development of supporting policies, increasing budget allocations, increasing citizen engagement, gender mainstreaming, and the strengthening of linkages between the local government and private sectors. As the project is in its final stages of implementation, the project is placing special emphasis on ensuring that all targets will be reached and that any progress registered will be sustainable beyond the project's completion. More importantly, IUWASH 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 continues to implement five key cross-cutting programs (CC-1 to CC-5). These programmatic areas and the main achievements under each for this quarter are summarized below:

- **CC-1/ Increased PEMDA policies:** To date, a total of 89 policies have been signed in 50 cities. This quarter, IUWASH team concluded two policies developed in West Java/DKI /Banten;
- **CC-2/ Increased APBD budgets:** IUWASH continued to conduct advocacy to LG partners on determining the budget allocation on several water supply and sanitation program to be implemented in 2016. IUWASH conducted several meetings with key LG institution to identify potential watsan programs to be implemented in Year 2016;
- **CC -3/ Citizen Engagement Mechanisms:** To-date, twenty (20) CEMs have been launched and implemented in all 5 IUWASH regions. These include websites, radio programs, complaint handling units, and SMS Gateways. The CEM developed this quarter are in Binjai and Tebing Tinggi (North Sumatra), Serang (WJDB), Sukoharjo and Batang (Central Java) and Gresik (East Java);
- **CC -4/ Gender Mainstreaming:** Great progress on the implementation of Gender Responsive Planning and Budgeting (PPRG Program) which now all LG partners (Kota Tebing Tinggi, Kab, Malang, Kab. Jombang and Kab. Maros) developed GAP, GBS and SOW for several watsan program activities for APBD development for FY 2016. The gender pilot program made several progresses on development of lessons learned of the program. Another great progress is working with PKK to support the sanitation programs in DKI Jakarta and Kab. Bandung;
- **CC -5/ Mobilizing CSR funding:** Significant progress was made with programs financed by CCFI through the completion of 3,619 infiltration ponds in Sibolangit, Pematang Siantar, Kab. Mojokerto, Kota Salatiga, Kab. Semarang and Kabupaten Malang. This figure includes 285 infiltration ponds constructed by IUWASH in Pematang Siantar, Kab. Batang, Kota Batu and Kab. Probolinggo. Total funds leveraged from CCFI are approximately US\$ 1 million. In addition, the project progressed in the strengthening of seven (7) CSR forums for LGs across several regions.

The following sections provide more detailed information regarding the activities and the main achievements for this quarter under each of the five cross-cutting program areas.

Program CC-1: Increased Number of Local Government Policies

A 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 the reporting period, 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.

Last 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”. East Java Region was the first that reached this target. It was followed by North Sumatra and SSEI, so by the end of PY 5 and up to the first quarter of PY 6, three of the project’s five regions had met their target. Two particular areas of emphasis in the policy development were 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 added three more local policies to be formulated in this quarter. This brings the total number of local policies to 126 which IUWASH will continue to apply effort in this area during the course of PY 6. The project’s total number and type of policies it hopes to facilitate are:

- 59 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	LGs with new policies supported by IUWASH	Policies developed thru PY 5	Policies developed in Quater 1 of PY6	Total policies developed
North Sumatra	9	21	0	21
West Java & Banten	9	14	2	16
Central Java	9	19	0	19
East Java	11	18	0	18
South Sulawesi & East Indonesia	12	15	0	15
Total	50	87	2	89

As stated above, in the first quarter of PY 6, IUWASH reported the completion of three additional policies, including a Local Regulation on Organisasi Perangkat Daerah Kota Bogor which legalized the new nomenclature of UPTD Waste Water Management and a Head District Regulation on Infiltration Ponds in Kabupaten Serang.

While the project is focused on policy development, the quality of such policies is very much part of that preoccupation. To enhance understanding of related issues, IUWASSH is piloting a Regulatory Impact Assessment (or “RIA”) methodology (see Box for details).

Regulatory Impact Assessment (RIA)

Regulatory Impact Assessment (or “RIA”) is an instrument for government to deliver better regulations or to improve quality of existing regulations. It is a formal and systematic appraisal of the costs and benefits associated with a proposed new regulation and evaluation of the performance of existing regulations. It is also a means for communicating with interest groups which are affected (positively and negatively) by the regulation (new or existing). RIA is implemented by a team that formulates and implements regulations, and stakeholders who are in some way impacted by these same regulations.

RIA in broadly similar forms is commonly practice by local and national governments worldwide and follows a process similar to, for instance, the OMB in the US which performs a cost/benefit analysis for all legislation proposed by the US Congress. Though it has theoretically been applied in Indonesia since 2000, it is generally not well-known nor well-practiced, especially at the local level and except in a few locations. Among many agencies, USAID itself sponsored some RIA-related training in 2000.

IUWASH is piloting this tool in Surakarta and Bekasi to better understand the impact of specific regulations the project has help to facilitate and to better understand how the RIA process itself can best be used in support of WASH sector policy development more broadly. The results of these pilot efforts are expected in the late February.

The following is the summary of main achievements under program CC-1 of all IUWASH regions during this quarter:

North Sumatra Region:

- Conducted socialization of regulation on raw water protection in Pematang Siantar and Sibolga;
- Continued to monitor the implementation of regulation developed supported CEM implementation.

West Java, Banten and DKI Region:

- Conducted a regulatory impact assessment with PDAM board of directors on SPM PDAM Kota Bekasi. The outcome will be used to modify the respective SPM;
- Monitored the Perbup of Kab.Lebak on PDAM new tariff reclassification for customers which was reviewed by the parliament. The new tariff which increased the tariff by 36% compared to the previous tariff, was enacted on 1 November 2015;
- Perbup Serang 38/2015 regarding "Sumur Resapan" or Infiltration pond was signed by ad-interim Bupati of Kab Serang. IUWASH socialized it to all SKPD, the private sector, and the local schools and promoted to install infiltration wells to replenish surface and ground water impacted by climate change;
- Advised PPLP Public Works Ministry on the revision of the Raperda PALD of Kota Bogor;
- Assisted with the focus group discussion to develop the Perwal STBM Kota Bogor;
- Discussed the "Raperda Pengelolaan Limbah Cair Domestik" Kota Bogor with PPLP Pusat and recommended to prepare an academic paper for PDAM to be designated as the LLTT operator. The discussion also focuses on type of tariff for desludging as customers have different economic background;
- Informed Dinkes, Bappeda, Bagian Hukum, Bagian Ortaga, PDAM, UPTD PAL, Aksansi, Forum Kota Sehat on Perwal STBM for Kota Bogor in order to improve the draft regulation.

Central Java Region

- Socialized PerWal Salatiga No. 16/2015 about changing Perwal No. 48/2008 on organization of UPTD;
- Implemented Regulatory Impact Assessment (RIA) method on Peraturan Walikota Surakarta No.16-A/2014 about Septage Management.

East Java Region

- Facilitated Comparative Study of Pokja Santitation and UPTD Kab Sidoarjo to UPTD PAL Makassar;
- Socialized Perbup 54/2015 raw water management in Kab Probolinggo;



IUWASH NORTH SUMATRA

Signing the regulation supporting LLTT development in Kota Medan.



IUWASH WJDB

Discussion on implementation of Regulatory Impact Assessment in Kota Bekasi.

- Socialized Perwali 21/2015 about construction of Sumur Resapan and Biopori in Kota Batu;
- Facilitated preparation of PerBup for Institution of Domestic Wastewater Management in Kab Malang. Perbup is currently at the stage of consultations among technical departments coordinated by Assistant II.

South Sulawesi and Eastern Indonesia Region

- IUWASH supported the "executive" in the RANPERDA discussion of the wastewater regulation for Kota Makassar on the PANSUS forum – DPRD; SSEI team has directly involved on discussions of "article by article" and provided many suggestions for regulation. Ranperda will be finalized by PARIPURNA Forum;
- Because of the importance of urban waste water management by UPTD PAL, IUWASH will continue to advise the process of drafting regulations in Ambon, Jayapura and Bantaeng;
- Supported in the implementation of activities associated with Climate change Adaptation regulations in four locations of SSEI :
 - Water Resources Management (Sidrap)- FGD conducted; will be approved in Jan '16
 - Groundwater Management (Pinrang) - FGD conducted; will be approved in Jan '16
 - Embung management (Enrekang)- FGD still in process;
 - River management (Pare Pare) - FGD still in process.

Next Quarter Planned Activities

The following is a summary of activities for the next quarter under Program area CC-I in the 5 IUWASH regions:

National Team:

- Continue to support regional activities on policy formulation, socialization and implementation, and monitoring of policy implementation;
- Finalize the template of local regulation on waste water management;
- Continue the implementation of Regulatory Impact Assessment (RIA) as a tool to review the Mayor Regulation of Kota Surakarta on Sludge Management and the Mayor Regulation of Kota Bekasi on Minimum Service Standard of PDAM Tirta Patriot;
- Identify the status of Minimum Service Standard implementation on water and sanitation sector through the study of water supply development plan in anticipating the universal access target fulfillment;
- Support POKJA AMPL-Bappenas in the series of discussion on Minimum Service Standard of water and sanitation sector.

North Sumatra Region

North Sumatra Region will phase out period in the next quarter, so limited activities will be conducted under this program area.

WJDB Region

- Kota Bekasi – Assist with the modification of SPM PDAM;
- Kota Bogor – Assist revision of Raperda PALD including types of tariff and Perwal STBM Kota Bogor;
- Kota Bogor – Inform Dinkes, Bappeda, Bagian Hukum, Bagian Ortala, PDAM, UPTD PAL, Aksansi, Forum Kota Sehat on Perwal STBM for Kota Bogor in order to improve the draft Perwal STBM.

Central Java Region

- Monitoring implementation of PerBup/PerWali in 11 Kab/Kota except Kota Surabaya;
- Advocate to decision makers in PEMDA to support Domestic Waste Water Management in Kab Gresik, Sidoarjo, Jombang, Kota Probolinggo, Malang and Batu;

- Monitoring the implementation of PerBup/PerWali about Water Conservation in Kab. Mojokerto, Kab & Kota Probolinggo and Greater Malang;
- Synchronization of Domestic Waste Management Regulation with Sanitation Working Group through serial FGDs for Kab. Sidoarjo, Gresik, Malang and Jombang.

East Java Region

- Monitoring implementation of PerBup/PerWali in 11 Kab/Kota except Kota Surabaya;
- Advocacy to decision makers in PEMDA to support Domestic Waste Water Management in Kab Gresik, Sidoarjo, Jombang, Kota Probolinggo, Malang and Batu;
- Monitoring the implementation of PerBup/PerWali about Water Conservation in Kab. Mojokerto, Kab & Kota Probolinggo and Greater Malang;
- Synchronization of Domestic Waste Management Regulation with Sanitation Working Group through serial FGDs for Kab. Sidoarjo, Gresik, Malang and Jombang.

SSEI Region

SSEI Region will phase out in the next quarter, so there limited activities will be conducted under this program area.

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

Increased local government budget (ABPD) in water and sanitation sectors is seen as an indicator of local government's commitments to improve its infrastructure in water and sanitation. IUWASH for the past three months has continued to provide facilitation and advocacy to the local governments to increase the budget allocation for the sectors. These efforts included:

- Several meetings with local government office have been conducted during the last quarter in North Sumatera to support increasing budget allocation for water and sanitation improvement. Kota Tebing Tinggi will spend Rp.6.5 billion to build IPLT where IUWASH provided support in developing DED;
- Local budget for building of individual toilet has been allocated by Kota Tanjung Balai amounting Rp. 100 million in 2016 APBD. IUWASH facilitated local government in providing funds for pilot program building 12 individual toilet;
- A workshop for improving domestic waste water system was conducted in October 2015 in Central Java for 4 municipalities of Kabupaten Batang, Sukoharjo, Rembang dan Kota Salatiga. As result of the workshop, Kabupaten Rembang will allocate Rp. 450 million in 2016 APBD for purchasing desludging truck and UPTD operational costs;
- In November 2015, IUWASH provided training to the local government staffs of Kota Probolinggo in East Java in analyzing water and sanitation spending using APBD Index tool developed by IUWASH. The aim of the training was to urge local government to allocate more budget in water and sanitation developments;
- Through its office of Badan Lingkungan Hidup (BLH), Kota Batu in East Java, has allocated local budget 2016 for building 15 units of infiltration ponds totaling Rp.60 Million. The program is a replication of 50 pilots that IUWASH funded and is a follow up of a new regulation (Perwali) relating to raw water protection program called 'Sumur resapan dan Biopori';
- In region of SSEI, advocacy to local government of Kota Ambon, through a series of meetings was conducted during the last quarter. The local budget - APBD of 2016 will allocate Rp. 1.5 billion for UPTD PAL being used for its operational fund and improving infrastructure of domestic waste water system.

Trend of local government budget allocating for water and sanitation is pictured in APBD Index. Review of the final figures is in the process and the final analysis will be presented in the next quarter.

The following is a summary of main achievements under program CC-2 of all IUWASH regions during this quarter:

North Sumatra Region:

- Budget advocacy supported the development of individual sanitation system in Kota Sibolga and Tanjungbalai;
- Budget advocacy supported the operation of UPTD established in IUWASH cities.

WJDB Region:

- Budget advocacy supported the operation of urban sanitation (septic tanks, communal systems, UPTD, etc.).

Central Java Region

- held a workshop on Domestic Sanitation Management, to support and strengthen the UPTD through Sustainable Budgeting. The event was followed by workshops with SKPD, UPTD and DPRD from Batang, Rembang, Sukoharjo and Surakarta.

East Java Region

- Facilitated FGD for LG of Kota and Kab Probolinggo to evaluate the budget 2012-2015 and prepared the budget for water and sanitation for year 2016.

SSEI Region

- Prepared Rp. three billion district budget for improving sanitation sector for the utilization of infrastructure and infrastructure of sanitation facilities outside the UPTD operational budget. Budget also increased with 21.6 Billion for Clean water for building deep wells and for UPTD operations amounted to 400 million;
- Increase in budget for Ambon to support UPTD wastewater from 440 million to Rp 1.5 billion. This activity is intended for the operation and infrastructure development in IPLT location;
- Pinrang prepared a budget for the operation UPTD Rp. 120 million;
- IUWASH encouraged SKPD to consistently oversee the implementation of these activities.

Next Quarter Planned Activities

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

North Sumatra Region:

- Prepare documentation on final status of the APBD budget support for water supply and sanitation sector in IUWASH assisted cities in North Sumatra Region supported the final report of this program.

WJDB Region:

- Continue to monitor the trend of budget allocations under APBD especially for year 2016 in each IUWASH city in the coming period of program implementation.

Central Java Region

- Monitoring budget allocation on watsan sectors of FY 2016 in each cities/districts.

East Java Region

- Facilitate FGD for LG to prepare budget for water and sanitation for year 2016

SSEI Region

- Prepare documentation on final status of the APBD budget support for water supply and sanitation sector in IUWASH assisted cities in North Sumatra Region supported the final report of this program.

Program CC-3: Improved Citizen Engagement

Notable progress was registered in the development of citizen engagement mechanisms (CEMs). By the end of PY5, fourteen (14) municipalities had completed the steps of CEM development and launched selected CEMs, including websites, radio programs, and complaint handling units that the public could utilize to access information and to communicate with the local government concerning public services. This quarter, an additional six (6) Local Government partners completed the CEM establishment and start to implement them. This achievement brings to the total of 20 CEMs developed by the end of this quarter in Binjai and Tebing Tinggi (North Sumatra), Serang (WJDB), Sukoharjo and Batang (Central Java) and Gresik (East Java). From the established CEM, IUWASH initiated and promoted mechanisms that allowed for the local context in engaging citizen involvement to further public services improvement, especially on water supply and sanitation sectors. An increase of citizen participation in the development process means increased 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 first quarter of PY 6, 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	Implementation
5	Tebing Tinggi	Website AMPL	Implementation
II	WJDB		
6	Kab. Bandung	Website and Radio Program	Implementation
7	Kab. Purwakarta	Website	Implementation
8	Kota Serang	Civic Forum	Implementation
9	Kota Bogor	Website	Development process
III	Central Java		
10	Kota Semarang	Complaint Handling center (Pusat Pelayanan Pengaduan Masyarakat-P3M)	Implementation
11	Sukoharjo	P3M	Implementation
12	Klaten	Website and Radio Program	Implementation

No.	Region and Cities	CEM media	Remarks
13	Kudus	P3M	Development process
14	Batang	Complaint Handling Center	Implementation
IV	East Java		
15	Sidoarjo	Pusat Pelayanan Pengaduan Masyarakat	Implementation
16	Gresik	Website	Implementation
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

This quarter, the national team continued to support the process of CEM development and monitored the progress in the regions to ensure that the mechanisms are being implemented properly and to support the formulation of CEM profile. In Central Java, the IUWASH team facilitated Kab. Sukoharjo in formulating radio programs and in WJDB region, the IUWASH team help PDAM to update the website content. The governance team also formulated a monitoring table which helps to track the progress of CEM implementation. This tool has been applied in SSEI, NSRO, and Central Java regions.

The following is a summary of main achievements under program CC-3 of all IUWASH regions during this quarter:

North Sumatra region:

- Monitored CEM functions and data/documentation collection in Binjai and Tebing Tinggi.

WJDB region:

- Launched “Gerakan Masyarakat Peduli Air Bersih dan Sanitasi” or GEMARSI by Sekda of Kab. Serang. Event was attended by Pokja AMPL, Community, all sub-districts head and Baraya TV Banten and local journalist. The GEMARSI staffs were sworn under oath by the Bupati. – IUWASH assists with GEMARSI workplan;
- Launched the sanitation website of LG Kota Bogor and conducted website administration training to respective staff;
- Monitored website AMPL Kab. Bandung and improved the website content, features and socialization plan of the website;
- Monitored website PDAM Kab. Purwakarta and improved the website content, features and socialization plan of the website.

Central Java Region

- Launched CEM and Radio Talkshow on watsan issues in Sukoharjo, by Penjabat Bupati Sukoharjo and in conjunction with the launching of Kab Sukoharjo support the universal access;
- Assisted on CEM Implementation in Sukoharjo through Radio Talkshow on Water Supply and Sanitation. The mentoring of talk show was done six times from October to December 2015. The talk show is held every two weeks on Wednesday at 10:00 to 11:00 pm at the RSPD (Radio Siaran Pemerintah Daerah). In 2016 the talkshow will be fully funded by APBD;
- Monitored and Evaluated implementation of CEMs in Kota Semarang, Kab Batang, Klaten, and Sukoharjo.

East Java Region

- Facilitated the finalization of CEMs by using local media in 4 districts: (1) Probolinggo, (2) Sidoarjo, (3) Gresik, (4) Mojokerto. The set-up of four local media has been completed and is being piloted operational.

SSEI Region

- Monitored sustainability of CEM in Parepare City, and District of Enrekang, Jeneponto, and Takalar.

Next Quarter Planned Activities

The following is a summary of planned activities for the next quarter under 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 Bogor;
- Support regions in formulating and updating of CEM profiles;
- FGD on lesson learned of CEM implementation at two selected regions;
- Documentation of good practices on CEM implementation in five regions.

NSRO 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

- All CEM activities in Kota Bogor and Kab Serang, Purwakarta and Bandung will be monitored closely by IUWASH partnering with the respective managing institutions.

Central Java region

- Training on improvement of management skill for the staff who run CEM of water supply and sanitation issues in Kota Semarang, Kab Batang, Klaten and Sukoharjo;
- Workshop Best practices in CEM implementation in Kota Semarang, Kab Batang, Klaten and Sukoharjo.

East Java Region

- Monitoring implementation of CEM in 4 Kab (Gresik; Sidoarjo; Mojokerto and Probolinggo) including: socialization, advocacy, campaign and education promotion.

SSEI Region

- Continue to conduct monitoring of CEM operation in IUWASH assisted cities in SSEI Region.

Program CC-4: Gender Mainstreaming

Facing the final year of IUWASH Program in PY6, the IUWASH Gender team is ramping up gender mainstreaming in several ways, including: gender pilot program, the program for Gender Responsive Planning and Budgeting (PPRG), and PKK involvement in supporting sanitation programs. The project is also moving to document lessons learned in this area. A planned publication of such lessons learned will



also include the training manual on gender capacity building for IUWASH partners and the documentation of the results of IUWASH gender assessment. To support the development of this publication, IUWASH hired two STTA, and together with the IUWASH gender Team, these STTAs developed supporting tools and critical questions for related data collection. There were several activities conducted to collect the data such FGD, in-depth interview, field observation, and desk review. A detailed progress of data collection activities by STTA is described below in the Table of Progresses of the IUWASH Gender Mainstreaming Program. The initial draft of the publication will be shared with IUWASH stakeholder at the local and the national level before the finalization of the program. IUWASH plans to consult the Ministry of Women Empowerment and Protection of Child’s Rights and the Ministry of Public Work and Housing at the national level to review the initial draft. There will be two national workshops in the following quarters to collect the lessons learned and review the initial draft of the program.

“Sanitation Facility for All” Experience from Development of Individual Sanitation Facilities through Microfinance

IUWASH is facilitating a pilot project for gender mainstreaming that focuses on the provision of micro credit for sanitation facility construction in partnership with Koperasi KPP UMKM Syariah. This project has been implemented since 2014 and has resulted in several notable and positive impacts - not only the members who received the water and sanitation credit, but internally for Koperasi KPP and involved local contractors. As part of this program, IUWASH introduced the development of gender responsive toilet to all partners such as KPP staff, local contractor, and community who will receive benefits of this program. The story below shows how the toilet facility is benefiting all gender group including senior people who has specific need on defecation.

Ibu Sadiyah (a widow, 50 years old) is the first member, who took this sanitation credit in Jayanti sub district branch office. She and her family, including her old mother (Mak Kasuinah, 75, a blind and paralyzed person), used a nearby river for more than 15 years for defecation. When the river dried during the dry season, she and her family use the land behind her house. “It is very unhealthy and smell very bad during the dry season”, she explained. I and my brother also have burden to take my old mother who is blind and paralyzed every time she want to defecate to the land behind my house. It was very difficult and sad especially when it rained or during night time.

To solve the problem we made the “pispot” which was made from recycled basin (baskom) as a sitting toilet, she explained emotionally. Now we are happy with a new sanitation facility constructed through the microfinance program from KPP. I feel also proud because I inspired other members to take sanitation credit from KPP.” she ended her story with a big smile.

“Before I know IUWASH, I don’t know what gender is, as well as the household, we never know what is gender and why we should consider gender aspects in the sanitation facilities” said Anto, the local contractor that built the sanitation facilities hired by Koperasi KPP. Now I am aware, that the gender aspect is very important to be implemented in the sanitation facilities construction especially for the bathroom’s construction. So, I ordered my entire masons to follow and accommodate these gender aspects such as the position of the water basin that should be located at the right side of the closet, using no slip tile for the floor, installing double lock, making sure there is a ventilation to ensure air circulation, etc. Anto added with excitement: “This water and sanitation microfinance program is an extraordinary. I found this Koperasi KPP is the only one who have water and sanitation microfinance program, commonly the cooperative provide economic development loan only. This program is having social impact which creates healthier family and clean environment, and also creates jobs for us. I highly appreciate the initiative of KPP implementing this program”.



Wina

Mak Kasuinah 75 years old; a blind and paralyzed grandmother, she is happy now with the new sanitation facility constructed through microfinance from Koperasi KPP.

A detailed progress of the IUWASH Gender Mainstreaming Program for this quarter at the national and the regional levels is set forth in the table below. This is divided into four parts: 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.

Pilot Gender Mainstreaming			
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"> Conducted series of FGDs, field observation and in-depth interview with community members in Belawan area to collect data and information for publication of lessons learned of gender integration of this program. Conducted in-depth interview with staff of Dinas Perkim on their support to this pilot program in Belawan area.
West Java/DKI Jakarta/Banten	Kab. Tangerang	Individual sanitation facility through microfinance for sanitation (KPP UMKM Syariah /Cooperative)	<ul style="list-style-type: none"> Conducted internal workshop with KPP managers and field staff working on microfinance for sanitation program to share the initial results of the evaluation of gender integration in this program. Conduct documentation of success stories on implementation of this pilot program, collaborated with the KPP WASH Coordinator. Conducted refreshing training for KPP staff (branch managers and financial analysts) on the technical construction of the gender responsive toilet. In this training, they increased their capacity on the important to promote for having improved toilet that consider to the gender aspect. Even though they often have challenges to accommodate the financial capacity and land availability.
Central Java	Surakarta	Individual sanitation facility	<ul style="list-style-type: none"> Conducted series of FGDs, field observation and in-depth interview with community members, KPP members, PNPM Facilitators, Local Leaders who are involve in the development of communal sanitation system in Laweyan of Kota Surakarta to collect data and information for publication of lessons learned of gender integration of this program. Conducted community gathering to promote the community action on “flushing together” widely in KPP Laweyan of Kota Surakarta. In this gathering, the KPP committee shared the experience to conduct “flushing together” action as part of maintenance effort for communal sanitation system developed in their community.
East Java	Surabaya	Master Meter Program (PDAM/NGO)	<ul style="list-style-type: none"> Conducted series of FGDs, field observation and in-depth interview with community members, CBO representatives, NGO Farabi and PDAM on the development of five (5) Master Meter systems in Kota Surabaya. These activities aimed to collect data and information for publication of lessons learned of gender integration of this program.
South Sulawesi/ Eastern Indonesia	Maros	PDAM Customer Forum (PDAM)	Support the PDAM Customer Forum members to continue on monitoring of water supply services at household level to the customers surrounding the FKM member areas.
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)	<ul style="list-style-type: none"> Conducted coordination meeting to monitor the progress of regular desludging program in Kelurahan Rawamangun, Kemanggisan, and Pademangan. Through this meeting, the PKK cadre and local leaders improved their knowledge on the important of having improved sanitation system for their health and environment. IUWASH promotes the development of bio-

		Kelurahan Rawamangun, Kemanggisan and Pademangan)	<p>filter septic tank in this meeting so the PKK cadre will conduct promotion to the community cadres for further improvement of their individual sanitation system in the community houses.</p> <ul style="list-style-type: none"> Conduct training on marketing of regular desludging services for 70 PKK cadre from 3 kelurahan (Rawamangun, Kemanggisan, and Pademangan). In the end of this training, the community cadre developed action plans on the follow up action on promotion of regular desludging system to the community members in their own kelurahan. Conducted meeting with PKK cadre (30 persons) from Kelurahan Kemanggisan to verify the survey data on sanitation condition in this kelurahan. From this survey, they identify potential customers of regular desludging services. 	
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	Conducted training for gender focal point of SKPD Drivers and watsan related institutions of Kab. Malang, Jombang and Mojokerto on PPRG implementation		
South Sulawesi/ Eastern Indonesia	Kab. Maros	Conducted desk-to-desk support on development of GAP, GBS, and SOW for Year 2016 of SKPD Drivers and watsan related institutions of Maros district.		
General Gender Mainstreaming Program				
Region	City	Activity	Integrated Program	Results
Central Java	Kab. Klaten	Capacity Building for the KPP committee members on improved hygiene behavior and gender integration by youth organization (<i>Karang Taruna</i>) and regular meeting of men group (<i>Arisan Bapak-Bapak</i>) of KPP Berantas in Karanglo village of Klaten Selatan	Sanitation Sector	In this meeting the KPP committee members who are members of youth and men's groups introduced the practices of improved hygiene behavior and gender aspect of the maintenance of communal sanitation system. This training will support the application of improved hygiene behavior in their daily life
East Java	6 Cities (Kota Malang, Kota Batu, Kota Surabaya, Kab. Malang, Jombang and Gresik	Training on gender integration on maintenance of communal sanitation system and development of proposal for CBO members of communal sanitation system, sanitarian and LG partners	Sanitation Sector	Increased their knowledge and skill of for CBO members of communal sanitation system, sanitarian and LG partners on gender aspect of development and maintenance of communal sanitation system and technique on proposal development to support the operation of the communal sanitation systems
SSEI	Kab. Takalar	Conducted training on gender integration in water supply and sanitation sector for PDAM Customer Forum members	Water Supply Sector	Increased awareness of the PDAM Customer forum members on gender aspect of development and maintenance of sanitation facility and management of water supply at household level.

Activities planned for the next quarter as follows:

National:

- Facilitate the National Gender Workshop on PPRG in Makassar. This workshop involved LG representatives from Kota Tebing Tinggi, Kab. Malang, Kab. Jombang, Kab. Mojokerto and Kab. Maros. LG of Maros district will be the host of this workshop.
- Finalize the gender publication on PPRG, Gender Pilot Program, gender training manual and IUWASH Gender assessment.
- Develop MoU and conduct training for PKK cadre in Kelurahan Lenteng Agung of DKI Jakarta on the regular desludging program (new location).
- Continue to conduct the data verification on potential customer of regular desludging program in Kelurahan Kemanggisian, DKI Jakarta.
- Continue to conduct regular monitoring with PKK cadre in all kelurahan of DKI Jakarta (Rawamangun, Kemanggisian and Pademangan Barat).



North Sumatra Region:

- Conduct gender awareness training and maintenance of biofilter septic tank for beneficiaries of program on individual sanitation facility in Belawan, Kota Medan.
- Conduct workshop on monitoring of PPRG in Kota Tebing Tinggi.

West Java, DKI Jakarta and Banten Region:

- Keep monitoring the sanitation work done by KPP UMKM Syariah on the gender aspects.
- Conduct workshop with all stakeholders on the results and lessons learned of gender pilot program on microfinance for sanitation program in Kab. Tangerang.
- Workshop sharing for gender mainstreaming in sanitation micro-credit program/ workshop evaluation for gender integration into credit program in Kab Bandung and Kab Tangerang.

Central Java Region:

- Monitoring of implementation of gender pilot program in Kota Surakarta.
- Conduct sharing workshop on lessons learned of the pilot gender program in Kota Surakarta

East Java Region:

- Training for Sanitarians, PDAM Customer Communication Forum and PKK to engage in the water and sanitation service monitoring and control through media.
- Conduct PPRG workshop on development of gender responsive budgeting for Year 2016 in Kab. Malang, Jombang and Mojokerto.

South Sulawesi and Eastern Indonesia Region:

- Conduct monitoring on the development of gender responsive budgeting for Year 2016 of SKPD drivers and watsan related institution of Maros district

Program CC-5: Mobilizing CSR Funding

IUWASH continued to implement programs to mobilize CSR funding through three key areas, including: 1) Partnership with the Coca-Cola Foundation Indonesia (CCFI) on the Water Replenishment Program; 2) Strengthening of local CSR Forums; and 3) Partnership with Nestle Indonesia on construction of infiltration pond program. The first was initiated by IUWASH in 2011 with the objective of improving raw water

availability and climate change adaptation capabilities among water utilities in North Sumatra, Central Java and East Java. The second aims to support the development of local capacity in CSR programming. The third was initiated in the last quarter by USAID Indonesia under a MOU with the Nestle Indonesia and is similar to the first.

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

The implementation of Water Replenishment Program through a partnership program with the Coca-Cola Foundation Indonesia (CCFI) began to wind down this quarter due to phase out of the IUWASH program. The program targets ensuring that Coca-Cola operation are “water neutral”, supporting a global vision to give back water to the environment as much as water they use in producing their beverage products. A key activity under this program is the construction of infiltration ponds in the water catchment areas of the IUWASH PDAM partners. In order to successfully complete a construction of a pond, it requires substantial efforts to successfully mobilize the community mobilization. This is required because community members are required to contribute the land to construct the ponds and later, oversee the pond maintenance. As such, community members need to understand the reason and benefits of the pond for their life and environment.

This quarter the program continued to be implemented in Kabupaten Malang. This program is the last CCFI program before the end of IUWASH. Since late 2011, IUWASH with CCFI has completed such programs in Sibolangit and Kota Pematang Siantar (North Sumatra), Kab. Mojokerto (East Java), Kab. Semarang and Kota Salatiga (Central Java). This program resulted in construction of 3,334 infiltration ponds that consist of 473 ponds in Sibolangit, 241 in Pematang Siantar, 900 in Kabupaten Mojokerto, 920 in Kab. Semarang and Kota Salatiga, and 800 in Kab. Malang. This figure brings to a total of 3,619 infiltration ponds with an inclusion of 50 infiltration ponds constructed by IUWASH in Kota Pematang Siantar, 160 in Kabupaten Batang, 50 in Kab. Probolinggo and 25 in Kota Batu. IUWASH and CCFI were supported by Local NGO in this effort. The NGOs are:

- JKM for Sibolangit Area and Pematang Siantar (North Sumatra);
- YLHS/Yayasan Lingkungan Hidup Seloliman for Kab. Mojokerto (East Java);
- SPPQT/Serikat Petani Qaryah Thayyibah for kab. Semarang and Kota Salatiga (Central Java);
- YBUL/Yayasan Bina Usaha Lingkungan for Kab. Malang (East Java).

The program in Kab. Malang implemented by YBUL completed the construction of a total of 800 infiltration ponds in 2 spring catchment areas of PDAM Kabupaten Malang (Northern and Southern Malang area). This quarter, the Vice Governor of East Java accompanied by Acting Deputy of Mission Director of USAID Indonesia inaugurated the construction of 800 infiltration ponds in Kab. Malang. The inauguration event was conducted on 14 December 2015 in Balesari village of Ngajum sub-district of Kab. Malang. Before the inauguration event, IUWASH and CCFI facilitated a media visit participated by national and local media. The media visit aimed to increase the understanding of issues regarding the construction of infiltration ponds in supporting the increased of the raw water supply in the ground that can be used by the people for fulfil their daily needs to the water.

Besides the program above, IUWASH also provided limited support to another CCFI Water Replenishment program implemented in Kabupaten Magelang. This program is implemented in the catchment area of Kaliangkrik. The spring of Kaliangkrik is used by PDAM Kab. Magelang as an raw water source.

The following is a summary of main achievements of the partnership program with CCFI during this quarter:

National:

- Held several 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;
- Facilitated the implementation of media visit to Balesari village of Ngajum district;
- Conducted inauguration event of the program in Balesari village of Ngajum district. The inauguration of the infiltration ponds construction was done by the Vice Governor of East Java province, Acting Deputy Mission Director of USAID Indonesia and Representative of LG of Kab. Malang.



IUWASH NATIONAL
 Discussion about draft content of CSR Promotion Book among Pundi Amal SCTV, National Working Group in Water and Sanitation and representative of CSR Forum Batang, Tangerang and Serang District

East Java Region:

- Constructed 800 infiltration ponds in Ngajum and Lawang sub-districts of Kab. Malang by YBUL;
- Continued to verify the constructed infiltration ponds by YBUL Team.

Strengthening of CSR Forum

Based on the result of CSR forum assessment, IUWASH continued to implement the program to strengthen the forum during PY 5 in 6 cities in 4 regions - Kab. Tangerang, Serang, Batang, Probolinggo, Jombang and Kota Jayapura. The strengthening of the CSR forum program was conducted through several activities, including; mapping, capacity building, intermediation, communication, and building the system and other activities based on the needs of the forums. During this year, there were several significant achievements under this program. First key achievement was establishment of CSR Forum in Kota Jayapura. This establishment was supported by a SK Walikota. This CSR Forum is now active and supports the sanitation program. IUWASH also encouraged CSR forum in Kab. Tangerang and Batang to involve more companies in the management of day-to-day activities of CSR forum. Also as part of support to these forums, IUWASH facilitated 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 eight companies - PDAM, Bapera, RSUD, Primatex, BPR BKK Batang, Bulog, BRI Batang. In Serang district, PT. Modern Land, PDAM, and BLHD will start construction of 41 infiltration ponds in Sukacai Village.

There are several lessons learned under this program during this year. Many people believe that one CSR gathering or similar activities that brings together private sector donors and the government, is a powerful way to communicate governments' programs that are not funded by a local and the national budgets (APBD/APBN). Also in that meeting/gathering governments' programs will get the support of the private sector donors through CSR funding. In fact, it is not that simple. There are many variables which enable strong partnership between the government and the private sector. If the development and management of CSR Forum is done improperly, 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 needs to be a 'home' for companies involved, so that there is trust and confidence for the company to allocate funds for the development of society through the CSR forum. The government should also be involved as an important partner in the forum. It can provide legislative, programmatic, and financial support to the forums. Finally,

the general public is also an important part of CSR forum with the ability to explore and articulate needs of the communities and request financial support for communal projects through the CSR forum.

Listed below are progress made in this quarter at both the national and the regional levels:

National:

- Discussion the draft content material of CSR promotion books among Pundi Amal SCTV, Bappenas, Pokja AMPL Nasional, and CSR forum from Probolinggo, Batang, Tangerang dan Serang District;
- Bidding the vendor of graphic designer for setting lay out of CSR promotion book;
- Discussion about the Planning of National workshop of CSR forum with Director of Settlement and Housing – National Development and Agency (Bappenas);
- Finalization the CSR video by Sangkala Picture, with respond and review from key partners before launch trough the national workshop.



West Java, DKI Jakarta and Banten Region:

- Signed contract the partnership program of sanitation credit (constructed 24 unit health toilet) collaborate between Pundi Amal SCTV and local sanitation entrepreneur in Teluk Naga Tangerang District;
- Discussion with CSR forum of Tangerang District, to prepare the training of use social media as tools for documentation and publication of CSR program activities;
- Conducted the training about infiltration pond construction, with participant are resident of community, representative of CSR forum and corporate, held on room meeting of Sukcai village office – Baros Serang District;
- Implementation the construction of 10 units piloting infiltration wells located in Sukacai Village Serang District support costs of IUWASH;
- Constructed of 25 units infiltration wells around the springs water of Sukacai in Sukacai Vilage Serang District, support by District Environment Office (BLHD) and PT. Modern Land Industry;
- Implementation the partnership program of sanitation credit (constructed 20 unit health toilet) collaborate between Pundi Amal SCTV and local sanitation entrepreneur in Teluk Naga Tangerang District;
- Expanding the credit sanitation program to Serang District support by Pundi Amal SCTV linked to CSR program of PT. Indosiar.

Central Java Region:

- Conducted the training of use social media as tools for documentation and publication of CSR program activities in Batang District followed by corporate member of CSR forum in Batang District;
- Conduct the community organizational workshop for CSR program implementation followed by 20 participant for 4 villages in Batang District;
- Conduct the monthly focus group discussion followed by corporate the member of CSR Forum in Batang District;
- Conduct the discussion about reporting program through the social media as practice after training participated by corporate member of CSR forum.

East Java Region:

- Involving resource person from PAITON Group and also a secretary of the CSR Forum of District. Probolinggo, to participated in discussion of CSR Promotion Package together with others participant from CSR Forum of Tangerang, Cilegon and Serang District;
- Participated on CSR Gathering meeting in Jombang District which conducted and initiative by CSR forum with local government.

South Sulawesi and Eastern Indonesia Region:

- Supported the CSR forum of Jayapura City, to ensure the supporting from local companies in the procurement of sludge truck project proposal;
- Assisted the CSR forum to conduct the Gala diner activity related the lobby to increasing the corporates involving and supporting to CSR Forum;
- Discussed with corporates the members of CSR forum to ensure the existence of daily management and the operational budgeting of CSR forum;
- Conducted Coordination Meeting of CSR Forum. This meeting to encourage CSR forum in order to have regular meeting schedule agreed between management and members of CSR forum. Also revision of the Decree of the management of CSR forum.

Partnership with Nestle Indonesia on Constriction of Infiltration Pond Program

The collaborative program with Nestle Indonesia started intensively this quarter by moving forward several activities toward the implementation of the program. Under this program, IUWASH has facilitated a field visit of USAID and Nestle team to Kab. Probolinggo to visit several potential locations for the program. After these visits, IUWASH, USAID, and Nestle were agreed to conduct the program in Krucil and Bermi villages of Krucil sub-district of Kab. Probolinggo. These villages are key Nestle supported sites. The construction of infiltration ponds in these villages will contribute to the improvement of springs used by the community for their daily living including raising the cows as the main source of livelihood. The activities conducted this quarter to support this program are:

- Conducted field survey to support to the program sites to determine the potential site and develop delineation of the program areas;
- Supported the proposal evaluation submitted by local NGOs. This activity was part of the bidding process of the program. Based on the result of proposal evaluation, Nestle is agreed to select FFPM (*Forum Fasilitator Pemberdayaan Masyarakat*) Kabupaten Malang to be the NGO partner who will implement the program. A total of 100 infiltration ponds is targeted to be constructed in the program sites;
- Facilitated several meeting with FFPM and CSV-Nestle Team to finalize the proposal and drafted the three partied agreement among Nestle Indonesia, USAID/IUWASH and FFPM;
- Conducted program socialization at the district level to the key LG instituions.

In the next quarter, the implementation of activities supporting mobilization of CSR Forum 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 finalize the implementation of the Water Replenishment Program.

Central Java Region:

- Conduct limited support to the implementation of Water Replenishment Program in Kaliangkrik catchment area of Magelang district by SPPQT. Note that IUWAS support is based on the needs of SPPQT to support their program implementation.

East Java Region:

- Finalize the verification to the constructed infiltration ponds constructed in Kab. Malang by YBUL to assure the quality of the constructed ponds that meet the criteria set;
- Support the completion of financial and technical reports by YBUL.

Strengthening of CSR Forum

National:

- Finalization the CSR promotion book in order to provide the practical guidance about how to implementation increasing capacity of CSR forum for national & local government and partner;
- Broaden the networking and supporting from corporate national level to participate in plan the National workshop of CSR forum;
- Support The Directorate of Settlement and Housing – National Development and Agency (Bappenas) conduct the national workshop of CSR forum collaborate and partnership with CSR forum and corporate;
- Monitoring and evaluation the progress and achievement the increasing capacity program of CSR forum in Batang, Tangerang, Jayapura, Probolinggo, Jombang and Serang.

West Java, DKI Jakarta and Banten Region:

- Continue the facilitation CSR Forum of Tangerang District on advocacy to change the district regulation about CSR forum management to encourage more corporate in CSR forum management structure;
- Conduct the training of use social media as tools for documentation and publication of CSR program activities in Tangerang District;
- Support Development the new partnership program of microfinance for sanitation between PT. Indosiar and Sanitation entrepreneur group in Serang District;
- Support and facilitation the CSR forum in Tangerang and Serang District to encourage more corporate involve on the CSR forum management and partnership activities;
- Support and facilitation CSR forum Tangerang District to ensure the skill of team and resources financial for daily Management of CSR foru.

Central Java Region:

- Continue to support facilitating the CSR Forum Kab. Batang in assisting the local partners to encourage more partnership for watsan program through CSR Forum;
- Conduct the support facilitating the 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;
- Continue 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 supporting (meeting & audience) to the CSR forum of Jayapura City, to ensure the supporting from local companies in the procurement of sludge truck project proposal. In this case carried out by the IUWASH City Coordinator of Jayapura;
- Conduct Training the use of Social Media as tools of documentation and publication CSR program activities for members of CSR Forum in Jayapura;

- Participate on Workshop National for CSR. Will be invite all Forum CSR on each regional;
- Preparation and conduct for Launching of CSR Forum in Jayapura;
- Handing over the document/report and continuation Cross Cutting program to Local Government and partners as exit strategy.

Partnership with Nestle Indonesia on Constriction of Infiltration Pond Program

National:

- Support the finalization of the Three Partied Agreement among Nestle Indonesia, USAID/IUWASH and FFPM;
- Conduct regular coordination meeting with CSV-Nestle Indonesia and USAID Team on the progress of implementation of the program.

East Java Region:

- Conduct training on determination and construction of infiltration ponds for FFPM Team;
- Conduct field monitoring to the implementation of the program.



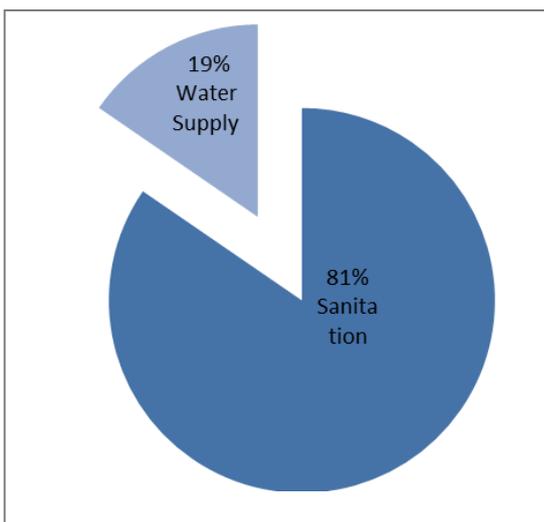
Section 3.5

GRANTS PROGRAM

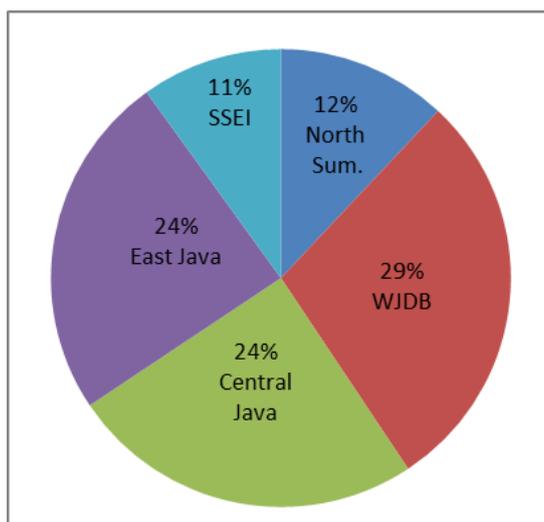
The total value of the Grants Under Contract (GUC) activity of IUWASH is \$ 1,535,970 over five years. The IUWASH Grants Program is implemented in accordance with all applicable USAID rules and regulations as stipulated in ADS 303 and 22 CFR 226, and the guidelines described in the USAID-approved IUWASH Grants Program Manual and Grants Implementation Plan. The Grants Manual includes: an overview of the Grants Program; 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 the process 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, troubleshooting 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 reviewing this table, it should be noted that grant programs in East Java (3) and in Central Java (1) are shown as “on-going”, but all field work was completed and only administrative close out is pending. The administrative aspects of the grants are anticipated to be completed in the next quarter. Currently there are only two grants program with on-going field activities, both of which are in West Java – a small scale sewerage system in Kota Bekasi implemented by GANECA and a sanitation microfinance program implemented by DIM in Kabupaten Serang, Lebak and Tangerang.

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	Completed	On-Going Grants			Total Est.	Status
		Grant	Total	Disbursed	Remaining	Expend.	
North Sumatra							
1. Optim. of Comm. WWTPs	YAKMI	\$48,857				\$48,857	Closed
2. Comm Sludge Mgt - Belawan	SMI	\$81,886				\$81,886	Closed
3. Master Meter - Sibolga	YAPEKAT	\$56,606				\$56,606	Closed
Sub-Total		\$187,349	\$0	\$0	\$0	\$187,349	
West Java/DKI/Banten							
1. Septage Mgt - Jakarta	M.Corps	\$99,972				\$99,972	Closed
2. Comm.Sewerage - Jakarta	Forkami	\$61,806				\$61,806	Closed
3. Master Meter - Rajeg	Forkami	\$41,670				\$41,670	Closed
4. Comm.San/Teluk Naga - Tangerang	BSK	\$18,482				\$18,482	Closed
5. Comm.San/Kronjo - Tangerang	BEST	\$11,916				\$11,916	Closed
6. Fiberglass Molds (in-Kind)	AKR	\$7,532				\$7,532	Closed
7. Fiberglass Molds (In-Kind)	CBO	\$1,398				\$1,398	Closed
8. CBS/School Sanitation - Serang	YPCII	\$75,740				\$75,740	Closed
9. Small-scale Sewerage - Bekasi	GANECA		\$71,931	\$42,691	\$29,240	\$71,931	On-going
10. San. SMEs/Microcredit - Serang	DIM		\$92,903	\$53,710	\$39,192	\$92,903	On-going
Sub-Total		\$318,516	\$164,834	\$96,401	\$68,433	\$483,350	
Central Java							
1. Comm. San / MCK - Kendal	LPTP Jogja	\$53,068				\$53,068	Closed
2. Kampung Sanitasi - Surakarta	LPTP Solo	\$76,935				\$76,935	Closed
3. Comm.San - Jomblang	Gita Ptw	\$59,598				\$59,598	Closed
4. Customer Forum	Kompip	\$58,880				\$58,880	Closed
5. USRI support	Spek-Ham	\$70,476				\$70,476	Closed
6. UPTD development	SCM		\$62,826	\$32,230	\$30,597	\$62,826	On-going
Sub-Total		\$318,957	\$62,826	\$32,230	\$30,597	\$381,783	
East Java							
1. STBM / Probolinggo	ITS	\$70,273				\$70,273	Closed
2. Master Meter / Sidoarjo	Spektra	\$47,737				\$47,737	Closed
3. San. SMEs / Microcredit	LPPM-ITS		\$94,572	\$76,701	\$17,871	\$94,572	On-going

Description	Grantee	Completed	On-Going Grants			Total Est.	Status
		Grant	Total	Disbursed	Remaining	Expend.	
4. SAN-I promotion - Greater Malang	BEST		\$76,370	\$61,294	\$15,076	\$76,370	On-going
5. SAN-I promotion - Greater Pantura	LPPM-ITS		\$71,652	\$57,087	\$14,565	\$71,652	On-going
6. Master Meter - Surabaya	FARABI	\$25,112				\$25,112	Closed
Sub-Total		\$143,122	\$242,594	\$195,082	\$47,512	\$385,716	
SSEI							
1. San. Improvement - Ambon	Murkele	\$51,243				\$51,243	Closed
2. Urban Sanitation - Jayapura	Geoteknik	\$34,264				\$34,264	Closed
3. Comm. San./KSM Cap.Bldg - Makssr	DKM	\$67,627				\$67,627	Closed
Sub-Total		\$153,134	\$0	\$0	\$0	\$153,134	
TOTAL		\$1,121,078	\$470,254	\$323,714	\$146,541	\$1,591,332	

Section 5

NATIONAL ACTIVITIES AND KEY UPCOMING EVENTS

INTRODUCTION

While IUWASH depends on the effectiveness of its technical work and the institutional relationships it develops to succeed, the project equally depends on the administrative, planning, management and support systems. In this section we present a more detailed accounting 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.

I. General Project Management

General project management activities during the reporting period were varied and focused on maintaining effective program support systems. The following activities 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 this reporting period is as follows:

- Substantial on-going support to key GOI sector initiatives. Among others, these include: Sanitasi Total Berbasis Masyarakat (STBM) program led by the Ministry of Health (MoH); Program Percepatan Pembangunan Sanitasi Perkotaan (PPSP) overseen by the National Working Group on Water Supply and Sanitation (Pokja AMPL); a range of other sanitation programming initiatives largely overseen by the Ministry of Public Works and Housing (PUPR) and also involving the Ministry of Home Affairs (MOHA) in terms of regulatory matters; water utility (PDAM) support also overseen by the Ministry of Public Works and Housing (PUPR) as well as the Ministry of Finance (MoF) in terms of debt restructuring;
- Continued collaboration with other key institutions, including: World Bank Water and Sanitation Program (WSP), especially as concerns broad sanitation sector coordination (such as through the Sanitation Partners Group or SPG) and the coordination of a group working on the establishment of regular desludging services (LLTT) with PUPR; the National Water Utility Association of Indonesia (PERPAMSI) as concerns utility capacity building; the Development Support Agency for Water Supply System (BPPSPAM) in terms of especially utility financial performance; Urban Sanitation Development Program (USDP-2) for sector coordination; DFAT/Saigg for small-scale sewerage development; Water.Org for sector microfinance; and many others.

Program Management: In terms of more routine management related areas, IUWASH regularly undertakes a wide range of activities to ensure that IUWASH staff are well-prepared to keep pace with the rigors of project implementation, while at the same time remaining compliant to relevant governing rules and regulations. Those of note during the annual reporting period included:

- Conducted of an internal audit of grant, procurement, and HR files to ensure completeness and compliance prior to the project's closing;
- Conducted special management and preparatory workshops related to the close-down of the program in the course of PY6;
- Concluded a contract amendment which increased the targeted number of beneficiaries with access to safe water from 2 million to 2.4 million and expanded the project's work in several areas with a view towards enhancing sustainability. It further extended the program's duration by four (4) months (through July 03, 2016) and increased the budget to \$40.7 million (US). This will also lead to some relatively minor modifications of the project's Performance Monitoring Plan (PMP) which are further discussed below;

- Discussed and coordinated with USAID regarding important administrative issues related to VAT, GOI agreement coordination etc., the latter of which involved engagement of a staff member to assist in bi-lateral USAID-GOI bilateral coordination;
- 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;
- IUWASH began the process of project close-down during the quarter. While there are many tasks involved in this process, including the development of a Demobilization Plan for USAID approval, the accompanying table provides principle milestones in relation to closing events and office closures which are being undertaken in a phased approach. Though offices will close on the dates indicated below, it should be noted that some staff in all regions will continue through the end of May to complete various works.

Office	Closing Events	Office Closing
Medan, North Sumatra	Medan, Jan. 19, 2016	February 29, 2016
Makassar, South Sulawesi	Ambon, Jan. 28, 2014 Jayapura, Feb. 04, 2016 Makassar, Feb. 18, 2016	March 31, 2016
Semarang, Central Java	TBD	April 30, 2016
Surabaya, East Java	Surabaya, Mar. 03, 2016	April 30, 2016
Jakarta, West Java	TBD	May 31, 2016
Jakarta, National	TBD	June 30, 2016

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:

PY6 Month	Events
October	<ul style="list-style-type: none"> • Launch of Regular Desludging services in Solo • Global Handwashing Day celebration sponsored by MOH/STBM Secretariat • Sponsorship of a “Media Expedition” to Enrekang to review climate change issues • Support of a site visit by USAID/W staff to IUWASH activities in Jayapura, Papua • Meetings/Site visit with USAID/India sector specialist, Anand Rudra • Support of visit by USAID secretarial staff to infiltration pond site in Kabupaten Malang
November	<ul style="list-style-type: none"> • Support to the national sanitation and water conference (KSAN) • Konferensi Sanitasi dan Air Minum Nasional (KSAN) • Contributions to an event for USAID Assistant Administrator for Asia, John Stivers
December	<ul style="list-style-type: none"> • Inauguration of 800 infiltration ponds funded by Coca-Cola in Kabupaten Malang. • Support to the launch of the USAID environmental portfolio with key GOI partners

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.

2. Project Communications and Reporting

During this Quarter, the Program Communications team continued to support the development of programmatic and technical reports, promotional materials, as well as special events. Prominent among these activities include:

- Supported organization of two events in October 2015, including: The national commemoration of Global Hand-washing Day, held by the Ministry of Health and the National STBM Secretariat on October 18, 2015. The event was attended by the Minister of Health, Nila F. Moeloek and hundreds of participants, including school children. On October 22-23, the Team also supported a Regular Desludging launch and workshop for media in Surakarta city, involving the Deputy Mission Director of USAID Indonesia, Derrick Brown and key representatives of the Ministry of Public Works and Housing, local governments, PDAM, the Mayor of Makassar and around 60 other participants.
- On November 2015, Communications Team facilitated in presenting project's strong profile on:
 - 1) The Bappenas' Biennial National Conference on Water Supply and Sanitation or KSAN held in November 11, 2015. The support included preparing impressive presentations of the Mayor of Makassar, Ramdhan Danny Pomanto, on Makassar city-scale sludge management; and the PDAM Malang city on its successful Non-revenue water program. In addition, the team prepared the profiles of three IUWASH partners who were eventually elected as the winners of AMPL/KSAN Award 2015 namely KPP UMKM Syariah Tangerang, BPR Bank Jombang and KSM An-Nur of Probolinggo city;
 - 2) USAID Partners' Reception and Exhibition which also held on November 11, attended by the U.S. Ambassador, USAID high level officials, government representatives and other 15 USAID funded projects across Indonesia.

The other notable achievements in November 2015 includes:

- 1) Facilitated training on report/media development and photography for CSR Forum, PDAM and the local government personnel in Batang district of Central Java to support CSR activities reporting. The training was held on November 17-18 and attended by 60 participants;
- 2) Prepared IUWASH relevant publications to be distributed during the 15th National Conference of AKKOPSI (Aliansi Kabupaten/Kota Peduli Sanitasi) held in Padang on November 19–20, 2015;
- 3) Supported national team on the finalization of CSR video and Promotional Booklet and Sanitation IEC materials such as flip chart, SAN 1 Handbook and SAN 2 Training module.



REINER NTOMA/IUWASH JAKARTA
Regular Desludging or LLTT Program launched on October 23, 2015 in Surakarta city.



PRYATIN M. SANTOSO/IUWASH JAKARTA
AMPL Award on KSAN 2015.



EDY TRIYANTO/ IUWASH CENTRAL JAVA
Training on report/media development and digital photography for CSR Forum, PDAM and local government personnel in Batang district.

During December 2015, the Team was also heavily engaged in several key activities, including;

- i) Inauguration of the construction 800 infiltration ponds held in Ngajum village of Malang district on December 14 and attended by the Vice Governor of East Java province, Saifullah Yusuf, the Acting Deputy Mission Director at USAID Indonesia, Nancy Fisher-Gormley, representatives local government of Malang district, CCFI, USAID IUWASH and community members of Ngajum village, Malang;
- ii) Supported preparation of a ‘mini expo’ for the USAID Environment Office Program Launch which was held at the U.S. Ambassador’s Residence on December 16.



PRYATIN M. SANTOSO/ IUWASH JAKARTA

Press conference after the inauguration of 800 infiltration ponds construction held in Malang District on December 14, 2015.

In addition to the above, the team will continue the works on IUWASH Publications Legacy. These include overseeing the finalization of and production of knowledge products such as:

- Regional Best Practices booklets (North Sumatra and SSEI booklets will be available on January 2016 while for East Java and Central Java on February and WJDB on March)
- IUWASH Signature Programs booklet which capture projects’ unique approaches while showcasing IUWASH high level results/achievements based on the applied program.
- Urban Sanitation Toolkit consists of five books;
- Climate Change Vulnerability Adaptation Program Toolkit and Training Module;
- Lessons Learnt Book on Gender Mainstreaming Program for WASH Sector;
- Lessons Learnt Book on PDAM Efficiency Energy Program;
- Lessons Learnt Book on PDAM Customer Communications Forum, etc.

In terms of reporting, the Program Communications team with technical staff continued to produce high-quality reports and publications and ensures their wide dissemination. This involved support to produce and distribute the following:

- IUWASH Annual Progress Reports PY 5 (October 2014 – September 2015) which is incorporated with the QPR 18 (July – September 2015);
- IUWASH Annual Work plan for PY 6 (October 2015 – July 2016);
- IUWASH Regular Monthly Reports (ongoing);
- IUWASH Regular Monthly Highlight (ongoing);
- Summary Report on the CCVA of PDAM Malang and Batang districts, etc.

The project continues to refine its systems for project programmatic reporting, ensuring that reporting 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.

3. Media Advocacy Activities:

IUWASH recognizes that how people think about the water supply and sanitation sector is 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 a network of national and local level media outlets, IUWASH raised 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:

- A “Media Expedition” was conducted with members of local and national media outlets to Enrekang, South Sulawesi in mid October 2015. This was to provide journalists with a deeper understanding of climate change and related adaptation issues (including their exposure to the project’s infiltration pond activity). This resulted in the production of:
 - A series of three (3) articles by Kompas, including an article on the front page.
 - A full-page article by Republika newspaper
 - A 22-minute documentary by Metro TV for their program, “1000 Meters”.
 - And numerous other stories by National Geographic and multiple other outlets through hardcopy and on-line reporting.
- A similar “Media Expedition” for Climate Change adaptation was conducted in Bismo and Tambakboyo Villages, in Batang District of Central Java in early December 2015. This activity was followed by reports from 15 media outlets in Jakarta, Semarang, Yogyakarta and Solo, which not only provided excellent publicity for the activity and climate change adaptation in general, but further encouraged the local government of Batang and involved communities. Some media “products” included:
 - A half-page article in KOMPAS;
 - A special, twopage report by Republika
 - A front-page story in Solo Pos newspaper;
 - A long duration documentary by DAAITV;
 - Multiple other formats, including radio broadcast by Voice of Indonesia - RRI and web postings, such as by ANTARA news that were later used by media outlets.
- Media coverage of the Launching of LLTT in Solo was also pronounced, with related articles emanating from Kompas, Intisari, Republika and DAAI TV;
- A special broadcast was made by DAAI TV for a live national-level talk show on November 18, 2015. The topic was sanitation and IUWASH BSS Specialist, Ika Francisca served as guest speaker;
- Finally, media training was also provided to local government and other partners around an IUWASH-sponsored CSR Forum in Central Java. The event dealt with the use of media in CSR support and was attended by 30 participants from program partners throughout the region. A similar event is planned for Jayapura.



IUWASH BSS specialist, Ika Francisca as guest speaker in DAAI TV live talk show.

For the coming period, IUWASH will continue to work in the important area of media relations and advocacy. This is expected to

involve:

- Preparing for Media Visit to Kampung Sanitasi in Solo;
- Support of a media-oriented workshop for PDAM Communication Forums in Bekasi and Tangerang;
- Training in the use of Social Media as a tool for the promotion of CSR programming in Jayapura.
- Assistance in the organization of closing events in Ambon, Jayapura and Makassar;
- Preparing DAAI TV to support an event related to sanitation microfinance in Tangerang (the launching of a new organizational model of KPP UMKM Syariah);
- Support of various national events such as national workshops related to microfinance and CSR.

4. Monitoring and Evaluation

The M&E program under IUWASH is a key element of program management in that it clearly defines how targeted outcomes are measured, and then works to support a broad range of project staff in ensuring that the relevant data is properly recorded, verified and shared. Within this framework, the primary M&E tool is the IUWASH Performance Monitoring Plan (PMP). The PMP is not only important in and of itself. It also provides the basis for workplan development, reporting and many other key functions. The IUWASH M&E system is further bolstered by the project's web-enabled Technical and Administrative Monitoring Information System (TAMIS) and a host of data collection tools. All the data posted in TAMIS is reviewed regularly and verified before being formally reported.

In the final year of IUWASH, Monitoring and Evaluation (M&E) continues to play an absolutely critical role in overall IUWASH project management. This is to track project achievements and to make sure that all supporting documents needed for recording progress are complete. Importantly, as this QPR covers the October to December period, IUWASH does not report on all outcomes, but a more limited set based on the availability of data and ease of data collection. Below are M&E activities conducted this quarter:

- Prepared some modifications (generally minor) to the PMP based on a recent modification issued by USAID;
- Conducted training for 43 enumerators that will support the implementation of a household survey on the adoption of improved hygiene practices in 10 cities of Central Java region
- Implementation of the above survey in 10 cities of Central Java Region;
- Collected data to support reporting under this QPR only for outcomes reported quarterly. Data collection was conducted through TAMIS and other methods;
- Presenting initial results of the Poverty Study of Kab. Sidoarjo to IUWASH partners for sharing and seeking inputs for improvement;
- Recruitment of supervisors for the household survey on adoption of improved hygiene practices in East Java Region.

In the next quarter, IUWASH M&E activities will focus on the following:

- Develop a revised IUWASH PMP (Fourth Revision) to accommodate adjustments needed under contract modification #12;
- Facilitate a Final Evaluation of IUWASH
- Select supervisors for a household survey on adoption of improved hygiene practices in East Java Region and conduct related training of enumerators. The training is planned to be conducted in Kota Surabaya and Malang;
- Continue to conduct household surveys in support of the Poverty Study in Kab. Sidoarjo;
- Conduct data analysis for a cost-of-water survey related to Master Meter sites in Sibolga (North Sumatra) and DKI Jakarta;
- Collect data in support of QPR 20 through the IUWASH TAMIS as well as specific surveys.

5. Environmental Compliance

As a project aimed 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 last amendment on July 7, 2015); and the approved IUWASH Environmental Monitoring and Mitigation Plan (EMMP), which are integrated into and regularly approved as part of the project's annual workplans.

Important activities undertaken during the reporting period revolved around:

- On-going supervision of the environmental compliance process, with support provided as required by the national-level Environmental Officer;
- An internal audit of environmental compliance documentation; and
- Review and revision of the project's EMMP and its integration into the project's Annual Workplan for PY6.

Environmental compliance activities planned for the coming period will involve further training (as needed) on the use of various monitoring tools for regional staff, and continued auditing of required environmental compliance documentation.

Section 6

PROJECT MONITORING & EVALUATION

The progress made this quarter, the cumulative progress under IUWASH, and the targeted outcomes presented under this section is based on new targets for IUWASH as a result of the recent contract modification #12, dated 3 December 2016. This report covers the first quarter of the “program year 6” (or “PY 6”) for IUWASH. It should be noted that this quarterly report, reports PMP outcome that is reported quarterly. However, since IUWASH achieved 100% of target for Outcome EE-5, IUWASH includes the progress of this outcome in this report. The PMP report this quarter follows the format of previous quarters by clearly setting forth quantitative achievements for each program year (“PY”) as well as by quarter for the current year (PY 6).

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).

As stated above, this quarter, IUWASH met the Life-of-Project (LOP) targets for one (1) additional outcome - Outcome EE-5. In addition, although the recent contract modification increased the target for Outcome EE-4, IUWASH again surpassed the target in this quarter. Unfortunately, even though Outcomes for HR-1, HR-4 and IC-6 surpassed the LOP target in the last quarter, with the addition of extra targets due to the modification this quarter, they are now below the LOP target set. Thus, changes to the targets and the progress made in this quarter, brings the total number of outcomes surpassed to twelve (12) per the list below:

1. Outcome HR-2 (people gain increased access to improved sanitation facility);
2. Outcome HR-3 (decreasing of water cost by the poor);
3. Outcome MD-1 (households have willingness to pay for sanitation improvement);
4. Outcome MD-2 (Government institutions and/or CSO implementing watsan program);
5. Outcome MD-4 (household increase adoption to improved hygiene behavior);
6. Outcome IC-2 (PDAM supported to develop debt restructuring plans);
7. Outcome IC-3 (PDAM improved credit worthiness);
8. Outcome IC-5 (LG implementing integrated sanitation and hygiene interventions that reflect their citywide sanitation strategic plans);
9. Outcome IC-7 (satisfaction of the poor to watsan services);
10. Outcome EE-3 (percent increased of amount leveraged to support the improvement of watsan sector);
11. Outcome EE-4 (households accessing microfinance for improvement of watsan services).
12. Outcome EE-5 (Citizen Engagement Mechanism).

The outcomes reported this quarter are:

- **Outcome HR-4:** number of people participated in IUWASH training activities;
- **Outcome MD-5:** Number of master trainers exposed to participatory planning activities;
- **Outcome IC-7:** Number of small and medium business providing affordable construction and sanitation facility management services;
- **Outcome 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;
- **Outcome EE.1-a:** Policy development;
- **Outcome EE-3:** Increased percentage (%) in financial resources accessed by service providers from public and private sources for expansion of improved water and sanitation services;
- **Outcome EE-4:** households accessing microfinance for improvement of watsan services;
- **Outcome EE-5:** Citizen Engagement Mechanism.

See table below for more detailed information on the outcome above.

**SUMMARY OF ACHIEVEMENT OF PMP OUTCOMES BY PROVINCE, STATUS DECEMBER 2015
(BASED ON NEW TARGET STATED IN CONTRACT MODIFICATION #12 DATED 3 DECEMBER 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 PY5	PY6 Achievement					Total Achievements as % of total target		
		PY1	PY2	PY3	PY4	PY5		Region	Q1	Q2	Q3	Q4		Total up to this Quarter	
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 (*)	2,400,000	0	251,630	595,885	622,665	775,825	2,246,005 (93,58%)	NS	N/A				0	2,246,005 (93,58%)	
								WJDB	N/A						
								CJ	N/A						
								EJ	N/A						
								SSEI	N/A						
Total Achievement of HR-1								0							
<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	159,405	256,055 (102.42%)	NS	N/A				0	256,055 (102.42%)	
								WJDB	N/A						
								CJ	N/A						
								EJ	N/A						
								SSEI	N/A						
Total Achievement of HR-2								0							

*) This outcome is reported semi-annually. IUWASH will report next quarter in March 2016

PMP Outcome Indicator	Target Over the life of Project	Achievement					Achievements Thru PY5	PY6 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4	PY5		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 (*)	53% (**)	53% (**) (267%)	NS	N/A				0	53% (**) (267%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of HR-3								0						
HR.4 Number of people trained in IUWASH training type of activities	100,000	417	14,834	22,078	15,177	37,060	89,566	NS	668				8225	97,791 (97.79%)
								WJDB	2015					
								CJ	1804					
								EJ	2473					
								SSEI	1265					
Total Achievement of HR-4								8225						

(*)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, Kab. Sidoarjo and Kota Surakarta conducted in previous quarter.

PMP Outcome Indicator	Target Over the life of Project	Achievement					Achievements Thru PY5	PY6 Achievement					Total Achievements as % of total target	
		PY1	PY2	PY3	PY4	PY5		Region	Q1	Q2	Q3	Q4		Total up to this Quarter
Component I: Mobilize Demand for Improved Water and Sanitation Services (MD)														
<u>MD.1</u> Number of households willing to pay for sanitation improvements	50,000	0	2,113	7,233	9,984	31,881	51,211 (102.42%)	NS	N/A				0	51,211 (102.42%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of MD-1								0						
<u>MD.2</u> 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	157	239 (239%)	NS	0				0	239 (239%)
								WJDB	0					
								CJ	0					
								EJ	0					
								SSEI	0					
Total Achievement of MD-2								0						
<u>MD.3</u> Number of civil society groups that report on PDAM operations or performance	20	0	0	0	0	0	0 (0%)	NS	N/A				0	0 (0%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of MD-3								0						

PMP Outcome Indicator	Target Over the life of Project	Achievement					Achievements Thru PY5	PY6 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4	PY5		Region	Q1	Q2	Q3	Q4		
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% (*)	N/A	27.25%	NS	N/A				0	27.25%
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of MD-4								0						
MD.5. Number of master trainers exposed to participatory planning activities	100	N/A	N/A	N/A	0	0	0%	NS	0				24	24 (24%)
								WJDB	0					
								CJ	0					
								EJ	0					
								SSEI	24					
Total Achievement of MD-5								24						

(*) 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. This quarter IUWASH continued to conduct data collection through the household survey in Central Java Region. The presentation of result of the survey will be conducted after all data collection have been done in all regions.

PMP Outcome Indicator	Target Over the life of Project	Achievement					Achievements Thru PY5	PY6 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4	PY5		Region	Q1	Q2	Q3	Q4		
Component 2: Improve Capacity to Provide Sustainable Safe Water and Sanitation Services (IC)														
IC.1. Number of PDAMs with improved technical, financial and management performance	50	0	4	30	44	43	43 (cumulative)	NS	N/A				0	43 (cumulative) (86%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of IC-1								0						
IC.2. Number of PDAMs in default of old debts are assisted in restructuring their outstanding debts	20	0	2*	8	0	0	10 (50%)	NS	N/A				0 (**)	10 (**) (50%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of IC-2								0						
IC.3. Number of PDAMs with improved credit worthiness	20	0	0	2	26	0	28 (140%)	NS	N/A				0	28 (140%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of IC-3								0						

*) 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; results has been included in the PY5 September Report.

PMP Outcome Indicator	Target Over the life of Project	Achievement					Achievements Thru PY5	PY6 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4	PY5		Region	Q1	Q2	Q3	Q4		
Component 2: Improve Capacity to Provide Sustainable Safe Water and Sanitation Services (IC)														
<u>IC.4.</u> Number of local government institutions implementing necessary climate change adaptation measures, based on preliminary raw water vulnerability assessments	20	0	0	0	0	7	7 (35%)	NS	N/A				0	7 (35%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of IC-4								0						
<u>IC.5.</u> Number of local governments implementing integrated sanitation and hygiene interventions that reflect their citywide sanitation strategic plans	30	0	0	0	0	0	0 (0%)	NS	N/A				0	0 (0%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of IC-5								0						

PMP Outcome Indicator	Target Over the life of Project	Achievement					Achievements Thru PY5	PY6 Achievement					Total Achievements as % of total target	
		PY1	PY2	PY3	PY4	PY5		Region	Q1	Q2	Q3	Q4		Total up to this Quarter
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	45	0	0	4	6	22	32 (71.11%)	NS	0				8	40 (88,89%)
								WJDB	0					
								CJ	0					
								EJ	8					
								SSEI	0					
Total Achievement of IC-6								8						
IC.7. Increased percentage (%) of poor residents in targeted communities who report greater satisfaction with water and sanitation services	20	0	0	0	0	81.34% (*)	81.34% (406.69%)	NS	N/A				0	81.34% (406.69%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of IC-7								0						

(*) This outcome is reported based on a survey conducted as part of water cost and improved hygiene behavior survey. This quarter, IUWASH is still conducting data analysis of water cost survey in Kota Sibolga. The result of this outcome will be reported after the analysis has been done. The progress of this outcome will be reported next quarter.

PMP Outcome Indicator	Target Over the life of Project	Achievement					Achievements Thru PY5	PY6 Achievement					Total Achievements as % of total target	
		PY1	PY2	PY3	PY4	PY5		Region	Q1	Q2	Q3	Q4		Total up to this Quarter
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	5	5 (50%)	NS	N/A				0	5 (50%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of IC-8								0						
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 (0%)	NS	N/A				0	0 (0%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of IC-9								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 (0%)	NS	17				17	17 (17%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of IC-10								17						

PMP Outcome Indicator	Target Over the life of Project	Achievement					Achievements Thru PY5	PY6 Achievement					Total Achievements as % of total target	
		PY1	PY2	PY3	PY4	PY5		Region	Q1	Q2	Q3	Q4		Total up to this Quarter
Component 3: Create an Enabling Environment Supporting Equitable Water and Sanitation Services (EE)														
EE.I-a (Policy development)	50	0	5	6	38	38	87 (174%)	NS	N/A				2	89 (178%)
								WJDB	2					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of EE-I-a								0						
EE.I-b (LG Sector Budget Allocations Increased)	50 (Cumulative)	0	3	4	50	49	49 (*) (98%)	NS	N/A				0	49 (*) (98%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of EE-I-b								0						
EE.I 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	34	46 (**)	46 (92%)	NS	N/A				0	46 (92%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of EE-I								0						

*) This figure is adjusted based on the final results of APBD monitoring at the end of PY5.

***) 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.

PMP Outcome Indicator	Target Over the life of Project	Achievement					Achievements Thru PY5	PY6 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4	PY5		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	6	9 (60%)	NS	N/A				0	9 (60%)
								WJDB	N/A					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of EE-2								0						
<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%	4.02%	11.92% (119.2%)	NS	10190,77				0,09%	12,01% (120,1%)
								WJDB	125.826,92					
								CJ	70.361,69					
								EJ	29.049,23					
								SSEI	4.984,62					
Total Achievement of EE-3								240.413,23						

PMP Outcome Indicator	Target Over the life of Project	Achievement					Achievements Thru PY5	PY6 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4	PY5		Region	Q1	Q2	Q3	Q4		
Component 3: Create an Enabling Environment Supporting Equitable Water and Sanitation Services (EE)														
EE.4. Number of low income households accessing micro finance for household improvements in water and sanitation	20,000 (*)	0	983	4,373	6,870	6,935	19,161 (95.81%)	NS	92				1,878	21,039 (105.20%)
								WJDB	281					
								CJ	1,236					
								EJ	236					
								SSEI	33					
Total Achievement of EE-4									1,878					
EE.5. Number of Local Governments adopt new or improved mechanisms for citizens to engage local government in water and sanitation	20	0	0	0	3	11	14 (70%)	NS	2				6 (**)	20 (100%)
								WJDB	1					
								CJ	2					
								EJ	1					
								SSEI	0					
Total Achievement of EE-5									6					
EE.6. 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	0 (0%)	NS	N/A				0	0 (0%)
								WJDB	0					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of EE-6									0					

*) Based on new target under Contract Modification #12, dated 3 December 2015

***) This outcome is reported semi-annually in March and September. This quarter IUWASH is able to report since there is a significant achievement made this quarter in 4 regions to meet 100% target set

PMP Outcome Indicator	Target Over the life of Project	Achievement					Achievements Thru PY5	PY6 Achievement					Total up to this Quarter	Total Achievements as % of total target
		PY1	PY2	PY3	PY4	PY5		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 and sanitation sector in the US or other applicable context	12	N/A	N/A	N/A	N/A	0	0 (0%)	NS	N/A				0	0 (0%)
								WJDB	0					
								CJ	N/A					
								EJ	N/A					
								SSEI	N/A					
Total Achievement of EE-4								0						

ANNEXES

ANNEX I: WATER SUPPLY MATRIX

USAID / IUWASH Water Supply Programs update: December 2015		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	CC Vulnerability assessment	Implementation Sumur Resapan	CCAdaption 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	
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		C					O	O		C	11	
4	PDAM Kota Pem Siantar	O		C			O	C	C	O	C		C	C	C				O	C		13	
5	PDAM Kota Tanjung Balai	O	C	C	C	C	O	C		O	C							C	O	C		12	
6	PDAM Kab. Langkat	O	C	O	O		O	C		O			C			O			O	O		11	
7	PDAM Kota Sibolga	O					O	C	C	O	C		C	C	C		C		O	C		12	
8	PDAM Kab Asahan	O	C	C			O		O	O									O	C		8	
9	PDAM Kab Labuhan Batu	O		C		C		C		O						O		C		C		8	
West Java , Banten & DKI																						65	
10	PDAM Kab. Karawang	O					C	C	C		C					O						6	
11	PDAM Kota Bogor	O					O	O										O	O			5	
12	PDAM Kota Bekasi	O			C		O	C				O				O		O		O		8	
13	PDAM Kab Bekasi	O	C				O	O											O	O		6	
14	PDAM Kab Purwakarta	O					C		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	C	O	O		O	O			12	
17	PDAM Kab. Lebak	O				O	C	C	O			O	C		O							8	
18	PDAM Kab.Tangerang/TangSel	O	P					C		C		O					C					6	
19	PT Palyja / AETRA			O													O					2	
Central-Java																						84	
20	PDAM Kota Semarang	O				C		C	O		C					O						7	
21	PDAM Kota Surakarta	O	C	C					C		C						C	O	O	C		10	
22	PDAM Kab. Kudus						C	C					C									3	

23	PDAM Kab. Kendal	O		C			C	C											C		5		
24	PDAM Kab. Semarang	O		C			C	C		C			C	C	C					C		9	
25	PDAM Kota Salatiga	O	C	C			O	O					C	C	C				O			9	
26	PDAM Kab Rembang	O	C	C	C		O			C			C			O			O	C		10	
27	PDAM Kab Sukoharjo	O	C	C	O	C	C	C	C				C			O			O			11	
28	PDAM Kab Klaten	O			C		C	C	C				C			O			O			8	
29	PDAM Kab. Batang	O		C	O		O	C	C				C	C	C	C			O	O		12	
East-Java																					101		
30	PDAM Kab. Sidoarjo	O	P	C									C	C				O	C		O	9	
31	PDAM Kota Surabaya	O														O	C		O			4	
32	PDAM Kab. Gresik	O	C	C			C	C	C	O	C	C						O	O			11	
33	PDAM Kab. Lamongan	O			C	C		C	C	O	C		O							C		9	
34	PDAM Kota Probolinggo	O		C			C	C					C	C		O			O			8	
35	PDAM Kab Probolinggo	O			C		C	C	C		C			C	O	C			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	C	O	O	C		O				O			O		10	
39	PDAM Kota Malang	O						C						C		O			O			5	
40	PDAM Kab Malang	O		C			C			C			C	C	C	O	O		O			10	
41	PDAM Kota Batu	O					C	C						C	C	C						6	
South Sulawesi & Eastern Indonesia																					87		
42	PDAM Kota Makasar	O			C						C								O			4	
43	PDAM Kab Takalar	O	C		O	C			C	C		O				O			O			9	
44	PDAM Kab Maros	O	C				C		O	C		O				O			O			8	
45	PDAM Kab Jeneponto	O	C			O	C		C	C			C		O	O			O	O		11	
46	PDAM Kota Pare-Pare	O	C		C	C	C		C	O	C			C	O				O			11	
47	PDAM Kab Enrekang	O				C	C		C	O	C			C		O			O			9	
48	PDAM Kab Pinrang	O				C	C		C					C	O	O						7	
49	PDAM Kab Sidrap	O				C	C		C	C				C		O	O		O	O		10	
50	PDAM Kab Bantaeng	O					C	O	C					C	C	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	2	0	0	0	0	0	0	0	0	0	0	0	2								
Ongoing / Completed		50	14	23	13	17	37	34	26	14	24	3	22	22	11	21	19	6	12	36	21	4	429
TOTAL		50	16	23	13	17	37	34	26	14	24	3	22	22	11	21	19	6	12	36	21	4	431

ANNEX 2: SANITATION MATRIX

USAID / IUWASH Urban Sanitation Programs update: December 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	Improved Hygiene Practices	Pre Construction Support	Technical Support (FS, DED)	Post construction Support	Improved Urban Septage Mgt (pilots)	IPLT design (refurbish / new)	Legal Form: (1) = UPTD / (2) = PDAM		Cap. Bldg. Support (UPTD, PDAM)
North Sumatra																50	
1	Kota Binjai					C	O		C	C	C	-		C	(1)	C	7
2	Kota Medan	C	C	C	C					C	C	C	O	C	(2)	O	10
3	Kota Tebing Tinggi	C	O	C	C	C	C	C	C	C	C	C		C	(1)	C	13
4	Kota Pematang Siantar	C	C	C	C	C	C	C	C								8
5	Kota Tanjung Balai	C	C	O	O									C	(1)	C	6
6	Kab Langkat																0
7	Kota Sibolga	C	C											C	(1)	C	4
8	Kab Asahan													C	(1)	C	2
9	Kab Labuhan Batu																0
West Java , Banten & DKI																81	
10	Kab. Karawang																0
11	Kota Bogor	O	O		O	C	-	O	O	O	O		O		(1)/ (2)	O	10
12	Kota Bekasi	C	C	P	O	C		C	C	O	O		O		(1)	C	11
13	Kab Bekasi	C	C	C	O	C		C	C								7
14	Kab Purwakarta	-	-		-	C	C	C	C								4
15	Kab Bandung	O	O	O	O	C	C	O	O	C	C	O	O		TT	O	13
16	Kab. Serang	O	O	O	O	C	C	O	O	C						O	10
17	Kab. Lebak	O	O	O	O	C		C	-								6
18	Kab. Tangerang	O	O	O	O	C		O	O				O		(1)	O	9
19	Kab. Tangerang Sel.	C				C		C	C								4
20	DKI - Jakarta					C		C		O	O	O	O		PD PAL	O	7
Central-Java																73	
21	Kota Semarang	O	O	O	O	O	O	O	O								8
22	Kota Surakarta	O	O		O	O	C	O	O	C	-	O	O	C	(2)	O	12
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	-	O		C	(1)	O		11
29	Kab Klaten	O	O	O	O	O		O	O									7
30	Kab. Batang	O	O	O	O									C	(1)	O		6
East-Java																		80
31	Kab. Sidoarjo	O	O	O	O									C	(1)	C		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)	C		11
34	Kab. Lamongan	O	O	O	O											O		5
35	Kota Probolinggo	O	O	O	O	C		O	O						(1)	C		8
36	Kab. Probolinggo	O	O	O	O											O		5
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)	C		8
40	Kota Malang	O			O	C		O	O				O		(1)/(2)			6
41	Kab Malang	O	O	O	O	C		O	O							O		8
42	Kota Batu	O	O	O	O	C		O	O							C		8
South Sulawesi & Eastern Indonesia																		83
43	Kota Makassar	O	P		P	C	C	C	O	C		O	C		(1)	C		11
44	Kab. Takalar	C	O	C	C	C	C	C	C									8
45	Kab. Maros	C	C	C	C					C	C	O			(1)	C		8
46	Kab. Jeneponto	C			C	C	C	C	C									6
47	Kab.Bantaeng	C	C	-	C	C	C	C	C						(1)	C		8
48	Kota Pare-Pare	C			C	C	C	C	C						(1)	C		7
49	Kab. Enrekang					C	C	C	C									4
50	Kab. Pinrang	O	O	C	O	C	C	C	C						(1)	C		9
51	Kab. Sidrap	C	O	C	C	C	C	C	C									8
52	Kota Ambon	O			C	C	C	O	C	C	C	C			(1)	C		10
53	Kab Jayapura																	0
54	Kota Jayapura	O			P								P		(1)	C		4
P (Planned)		0	1	1	2	0	0	0	0	0	0	0	1	0	0	0	0	5
O (Ongoing)		31	30	22	31	7	2	19	19	4	3	7	8	0	0	14		197
C (Completed)		14	8	8	10	29	16	16	15	10	6	3	1	11	0	18		165
TOTAL		45	39	31	43	36	18	35	34	14	9	10	10	11	0	32		367

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