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MEMORANDUM
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Date: July 12, 1993

To: PPC/CDIE/DI

From: Lawrence J. Ervin, ASEAN

Subject: Project Assistance Completion Report (PACR) - ASEAN HUMAN RESOURCES DEVELOPMENT PROJECT

Project No.: 399-0287 (& 398-0287)

Grant No. : (1) AID 492-0287-G-SS-7094-00 - Asian Institute of Technology
(2) Project Agreement No. 398-0287.1 - ASEAN Agricultural Development Planning Center
(3) Project Agreement No. 398-0287.2 - ASEAN Plant Quarantine Center and Training Institute (PLANTI)
(4) Project Agreement No. 398-0287.3 - SEAMEO-TROPMED

Project Assistance Completion Date (PACD): May 31, 1993

Project Title: ASEAN HUMAN RESOURCES DEVELOPMENT

Implementing Agency: (1) Asian Institute of Technology (AIT), Thailand PACD: 5/31/93
(2) ASEAN Agricultural Development Planning Center (AADPC), Thailand PACD: 10/31/92
(3) ASEAN Plant Quarantine Center and Training Institute (PLANTI), Malaysia PACD: 6/30/92
(4) SEAMEO-TROPMED, Thailand PACD: 6/30/92

Project Funding: AID Regional Funding = $11,479,136.00

Project Officer: Bruce Blackman (1987-1988)
Karl Schwartz (1988)
Robert T. Dakan (1989-1993)

As required under Appendix 14A of AID Handbook 3, Chapter 14, the following Project Assistance Completion Report (PACR) is submitted:

1. a. Disbursements for all project components have been made.

   b. Appropriate steps will be taken to deobligate $1,063,508.00 of unused funds.

   c. The last formal project evaluation was conducted in July 1991 by the following Team Composition from TVT Associates: Mr. Harry J. Petrequin, Jr., Team Leader; Dr. Tung Au, an engineering educator; Dr. John Conje, an agriculture research specialist; Ms. Mona Grieser, a health educator; and Mr. John Thaw, a plant quarantine specialist.

2. Project Status, including the Status of Completion of Various Elements (e.g., procurement, construction, technical assistance, training):

   The Project was completed as of the Project's PACD, May 31, 1993, which included all the project components.

3. Summary of Contributions Made by the B/G, Donors and Participants (i.e., Planned Versus Actual Inputs):

Grantee	Planned	Actual Contributions
PLANTI	$2,120,000	$1,785,200*
TROPMED	$1,450,000	$6,389,820
AADPC	$ 580,000	$1,821,328
AIT	$1,150,000	$3,162,355

   * Actual AID funding to this component was $3,190,662 instead of the planned $4,000,000.

4. A brief review of Project Accomplishments: Accomplishments of individual components can be summarized as follows:

   PLANTI PLANTI has strengthened the ASEAN's plant quarantine capacities through its training and research studies. Over the life of the project, 5 diploma, 6 certificate and 54 short-term courses were conducted. There were all together 1,125 participants versus a planned number of 958. About 24% of the participants are female and 8% from the private sector. Details of courses organized are provided in Attachment 1. Attachment 2 provides a profile of participants by country. PLANTI staff and diploma participants pursued a wide range of research topics and developed standardized control or eradication procedures; a summary of research accomplishments is provided in Attachment 3.

   TROPMED The number of courses organized was: 45 master's, 13 diploma, 3 short-term and 4 regional seminars. A total of 543 ASEAN physicians and scientists were trained versus the planned 484 participants; almost half of this number was female. Participant breakdown by country and courses are shown in Attachment 4. A cursory review of the posts from which scholarship students were drawn conducted by the project evaluation team found that "over one-third are in policy-making positions while the rest provide direct health services. Some few combine health services with responsible managerial and administrative positions."

   AADPC The Center trained a total of 211 ASEAN participants in Master's and short-term programs versus the planned 172 participants. About 40% of the participants trained were women and 9% from the private sector. Attachment 5 presents the distribution of participants by program, country and gender. In addition, fourteen planning and policy studies were conducted by ASEAN experts and results were discussed at regional fora organized by the Center. There were some 220 attendees. ADPC's ASEAN Data Base and

Information System has also proven to be a useful tool in formulating policy and planning by government ministries as well as private companies, private research institutions, and consultants. For example, the ASEAN Food Handling System in Singapore has linked with the Center's data base. The study on strengthining food security in the ASEAN region resulted in a member countries' agreement to set up a stockpile of 50,000 tons of rice for emergency situations.

AIT The Center trained a total of 926 ASEAN participants: 25 in Master's, 108 in certificate and 793 in short-term programs versus the planned total number of 414. About 30% of participants were female and 13% were from the private sector. A breakdown by country and program is presented in Attachment 6. Participants in the Master's program were trained in the fields of environmental engineering, agricultural and food engineering, computer science, water resources engineering, energy technology, geotechnical and transportation engineering, and industrial engineering and management. Short-term courses covered a wide range of fields from management to computer applications and pollution abatement.

5. Assessment of the Extent to Which the Project has Resolved Or Is Resolving the Original Problem (i.e., progress towards achievement of the initial and, if appropriate, the revised purpose): The last formal project evaluation found that the project has been maintained on track and leaves in its wake a new cadre of highly trained personnel in place in the ASEAN region who are already playing meaningful roles in regional development. The regional centers this project assisted have all expanded their facilities and mandates in the course of this undertaking. In response to 1990 Asia Bureau policy changes towards trade and investment, all centers have made provisions to accommodate private sector participation in the planning of and benefits derived from their activities.

6. Recommendation for Final Adjustments in Project Design, the Appropriateness of Remaining Conditions and Convenants and B/G Reporting Requirements: None.

7. Definition of continuing and/or post-project AID monitoring responsibilities, including the timing and resources involved: No further AID monitoring of the project is necessary and all outstanding advances have been liquidated.

8. Review of Data Collection Results and Evaluations Remaining to Be Undertaken: No further data collection results and evaluations need to be undertaken.

9. Summary of Lessons Learned from the Project That Might be Relevant to Programming, Design and Implementation of Other Activities:

   a. PLANTI Plant quarantine is a regional and even global concern. The establishment of PLANTI as a regionally unifying force for plant quarantine within ASEAN has helped the region's agriculture and agribusiness interests become safer through its

efforts. Research projects are more effective when they are applied research related directly to plant quarantine problems ocurring in the field. Training programs are more effective when they emphasize the hands-on approach, and the subjects are related to on-the-job needs.

b. TROPMED Division of responsibilities among institutions in a region can foster the capabilities of the institutions. The TROPMED training program has helped establish the credibility of the member institutions in each country as specialists in their various fields. Indonesia has emerged as nutrition specialists, the Philipines as public health specialists, Thailand as tropical medicine specialists, and Malaysia as specialists in microbiology, parasitology and entomology. TROPMED, and the program, would have greatly benefited if it had linked up with U.S.-based institutions.

c. AADPC The exchange of participants' experience in comparative case studies has resulted in identifying ways and means to formulate more effective policy and better agricultural planning in ASEAN member countries. An added benefit was the long lasting camaraderie which developed among the participants, further strengthening ASEAN-wide networks of policy-makers and agricultural planners. In addition, in proposing regional agricultural development programs, the varying capacities of each regional member country to analyze its own problems must be recognized.

d. AIT In order to promote social and economic development in a region, it is important to develop or strengthen a regional institution which can serve as an effective implementing agent. Mutual trust and cooperation with such a regional institution require constant and long-term nurturing.

Attachment 1 - List of courses conducted under the plant quarantine component
Attachment 2 - Profile of participants trained under the plant quarantine component by year and country
Attachment 3 - List of plant quarantine publications produced under the Project
Attachment 4 - Profile of participants under the TROPMED component by courses, country and gender
Attachment 5 - Profile of participants under the AADPC component by program, country and gender
Attachment 6 - Profile of participants under the AIT component by program and country

List of Short-term Courses Organized/Conducted/Co-organized by ASEAN PLANTI during the 2nd Phase of the USAID/PLANTI Project, October 1987 to June 1992.

Course Title	Year Organized	No. of Participants	PQ Sector Participants	Other Govt. Sector*	Private Sector**	Non-ASEAN Participants
Storage Pests	87	16	16			
Viruses in Ornamentals	87	16	16			
Techniques for Preserving Organisms	87	16	16			
Agencies Involved with PQ Services	87	16	16			
Documentation & Informations System for PQ	87	15	15			
Human Resource Management	87	14	14			
Advance Weed Identification	88	12	12			
Cocoa Pests & Quarantine Measures	88	13	13			
Containerization: PQ Risk & Responsibilities	88	10	10			
Detection of Viruses in Ornamentals	88	14	14			
Fumigation for Operators	88	29	12	4	13	0
Grain Storage Pest & Control Strategies	88	16	16			
PQ Treatments	88	10	10			

Course Title	Year Organized	No. of Participants	PQ Sector Participants	Other Govt. Sector*	Private Sector**	Non-ASEAN Participants
Sampling Methods & Techniques for Seed quality Control	88	16	16			
Seed Health Testing Techniques for Cereals, Legumes & vegetable Seeds	88	18	18			
Slugs & Snails of Economic Importance	88	13	13			
Some Major Diseases of Economic Crops	88	17	17			
Collection, Preservation & Classification of Insects	88	16	16			
Workshop on SALB & Other Diseases of Rubber	88	12	12			
Workshop for Cooperators of PQ	88	11	1	10	0	0
Writing the PQ Message	88	13	13			
Aquatic Plants as Hosts of Plant Parasitie Nematodes	89	16	16			
Collection, Preservation & Identification of Weeds	89	20	20			
Determination & Identification of Plant Pathogen	89	20	20			
Human Resources Management	89	16	16			
Identification of Important Insect Pest	89	12	12			

Course Title	Year Organized	No. of Participants	PQ Sector Participants	Other Govt. Sector*	Private Sector**	Non-ASEAN Participants
Pests of Fruits & Vegetables	89	16	16			
Postentry Quarantine	89	17	17			
Seed Testing Techniques for PQ Officers	89	11	11			
Soil Disinfection Techniques & Safe Use of Pesticides	89	17	17			
Stored Product Pests	89	16	16			
Techniques for Preserving Pathogens	89	13	13			
Fumigation for Agricultural Products	90	19	19			
Interception & Identification of PQ Pests in Seed Consignments	90	14	14			
Quarantine Procedures for Biological Control Agents	90	24	21	0	0	3
SALB & Other Diseases of Rubber	90	22	17	2	0	3
Techniques for Determination & Identification of Plant Pathogens	90	12	12			

Course Title	Year Organized	No. of Participants	PQ Sector Participants	Other Govt. Sector*	Private Sector**	Non-ASEAN Participants
Techniques for Determination & Identification of Plant Viruses (Indonesia)	90	10	10			
Fumigation for Agricultural Products	91	42	18	6	18	0
Human Resource Management	91	20	14	6	0	0
Identification of Fruit Flies	91	18	18			
Identification of Fungi (Advanced Course)	91	19	19			
Insect Identification (Advanced Course)	91	21	21			
Pest Risk Analysis	91	19	19			
Postentry Screening Techniques	91	18	18			
Quarantine Procedures for Biological control Agents	91	23	16	0	0	7
SALB & Other Diseases of Rubber	91	18	18			
SALB & Other Diseases of Rubber (Indonesia)	91	29	29			
Weed Seed Identification (Advanced)	91	16	16			
2nd International Training Course on Understanding & Managing Fruit Flies	92	11	11			

Course Title	Year Organized	No. of Participants		PQ Sector Participants		Other Govt. Sector*		Private Sector**		Non-ASEAN Participants	
Container Inspection Techniques & Control Measures	92	15		15							
Determination for Seedborne Bacteria & Seedborne Viruses	92	21		19		0		0		2	
54 Short Courses and Workshops		907	100.0	833	91.8	28	3.1	31	3.4	15	1.7

* Includes PLANTI and other Government Offices in Malaysia.
** Includes private companies/corporations in Malaysia.

Attachment 2

Number of Short Course Participants at ASEAN PLANTI by country and year, January 1987-June 1992.

YEAR	Brunei	Indonesia	Malaysia	Philippines	Thailand	Singapore	TOTAL
1987	0	55	81	48	49	1	234
1988	9	46	87	33	54	1	230
1989	3	33	73	39	38	4	190
1990	3	30	35	19	22	4	113
1991	6	68	61	38	41	3	217
1992	2	10	10	9	10	2	43
Total	23	242	347	186	214	15	1027

Number of Diploma in PQ Participants at ASEAN PLANTI by country and year, January 1987-June 1992.

YEAR	Brunei	Indonesia	Malaysia	Philippines	Thailand	Singapore	TOTAL
1987	0	0	0	0	0	0	0
1988	0	1	1	1	1	0	4
1989	0	1	1	2	0	0	4
1990	0	2	3	1	0	0	6
1991	0	3	0	1	0	0	4
1992	0	2	2	2	1	0	7
Total	0	9	7	7	2	0	25

Number of Certificate in PQ Participants at ASEAN PLANTI by country and year, January 1987-June 1992.

YEAR	Brunei	Indonesia	Malaysia	Philippines	Thailand	Singapore	TOTAL
1987	1	4	6	1	3	0	15
1988	0	3	4	3	3	0	13
1989	0	2	7	1	1	0	11
1990	0	4	4	2	0	0	10
1991	0	4	6	2	0	0	12
1992	0	4	1	4	3	0	12
Total	1	21	28	13	10	0	73

Summary of Number of PLANTI Course Participants, 1987-30 June 1992

Course	Brunei	Indonesia	Malaysia	Philippines	Thailand	Singapore	TOTAL
Short Courses	23	242	347	186	214	15	1027
Diploma in PQ	0	9	7	7	2	0	25
Certificate in PQ	1	21	28	13	10	0	73
Total	24	272	382	206	226	15	1,125

Documentation Section
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LIST OF PLANTI'S PUBLICATIONS, COMMUNICATION AND TRAINING MATERIALS, AND REPORTS
Phase II, 1987-92

A. Publications and Communication/Training Materials

1. Monograph on Plant-parasitic Nematodes Intercepted in Potatoes Imported by Malaysia (1990)
2. Pest Data Sheets (PDS) (free leaflets)

PDS No. 12. Bakanae disease of rice
PDS No. 13. Potato wart
PDS No. 14. Rice stem nematode
PDS No. 15. Tuber rot eelworm
PDS No. 16. *Sexava nubila* Stal.
PDS No. 17. Moniliophthora pod rot of cocoa
PDS No. 18. Alligator weed
PDS No. 19. Maize rayado fino virus
PDS No. 20. Rice yellow mottle
PDS No. 21. Potato ring rot
PDS No. 22. Ringspot of coffee
PDS No. 23. Lethal yellowing
PDS No. 24. Rice dwarf virus
PDS No. 25. Grapevine flavescence doree
PDS No. 26. *Aphelenchoides besseyi* Christie
PDS No. 27. *Salvinia molesta* (Aubl.) D.S. Mitchell
PDS No. 28. Cushion gall diseases of cocoa
PDS No. 29. Rye grass nematode
PDS No. 30. Rice gall midge
PDS No. 31. *Eichhornia* spp.
PDS No. 32. Mediterranean fruit fly
PDS No. 33. Cocoa pod borer
PDS No. 34. Rice hoja blanca virus
PDS No. 35. Rice transitory yellowing virus
PDS No. 36. *Trachysphaera fructigena* Tabor and Bunting .
PDS No. 37. Rice stripe virus
PDS No. 38. Witchweed
PDS No. 39. Coffee berry disease
PDS No. 40. Stolbur
PDS No. 41. Bacterial blight of vine
PDS No. 42. *Sorghum halepense* (L.) Pers.
PDS No. 43. *Parthenium hysterophorus* L.
PDS No. 44. *Protomelittomma insulare* (Fairmaire)
PDS No. 45. *Bacterocera* (Bactrocera) *tryoni*
PDS No. 46. *Heterodera glycines* Inchinohe
PDS No. 47. *Ephelis oryzae* Syd.
PDS No. 48. *Leptopharsa hevea Drake* et Poor
PDS No. 49 *Leptopharsa gibbicarina* Froeschner

3. PLANTI's Biennial Report, 1986-1987
4. PLANTI's Brochures
5. PLANTI's Infokit
6. PLANTI News, three times per year
7. PLANTI Training Programme
8. An ASEAN Primer on Plant Quarantine (*Leaflet-Poster*)

9. Proceedings on:
   i. Movement of Pests and Control Strategies (1988)
   ii. Introduction of Germplasm and plant Quarantine Procedures (1989)
   iii. Pest Management of Vegetables (1990)
   iv. International Plant Quarantine Congress (*in press*)
10. Audio-visuals
   i. Posters on:
      a) Cocoa disease of PQ importance
      b) Oil palm vasculat wilt disease
      c) Common weed seeds intercepted from imported grass consignments
      d) Common weed seeds intercepted from crop consignments
   ii. PLANTI Story, Version 2
   iii. Video on PQ treatment (*in preparation*)

B. Research Theses and Fellowship Reports

Diploma

1987

NATTHAPORN KRATES (Thailand) – Diseases of ornamental plants and their plant quarantine significance

CECILIA S. INFANTE (Philippines) – Detection of seedborne mycoflora in cover crop seed consignments and seed treatment

EVELYN F. CANET (Philippines) – Occurrence of nematodes in local and imported cultivated mushrooms in Malaysia

ALBERTO U. RAMOS (Philippines) – Survey of fruit flies and disinfestation treatments

1988

MISRUDDIN HADIS (Malaysia) – The susceptibility of developmental stages of *Sitophilis zeamais*, *Trogoderma granarium* and *Lasioderma serricorne* to methyl bromide

ARIFIN TASRIF (Indonesia) – Interception of weed seeds in grass seeds imported into Malaysia

MANIT JAICHAGUN (Thailand) – Survey of fungal diseases of orchids

LOLITA PAMA (Philippines) – Detection of fungal and bacterial pathogens in imported and local sweet corn seeds

1989

MYO NYUNT (Myanmar) – Plant quarantine treatments on plants and planting materials

BUDIMAN (Indonesia) – Screening of imported planting materials for diseases

GEORGE L. ABERILLA (Philippines) – Field survey of mango seed weevil, *Sternochetus mangiferae* and mango pulp weevil, *Sternochetus frigidus*, in Peninsular Malaysia

EDMUNDO P. REVILLA (Philippines) – Survey of aquarium plants of PQ importance and identification of nematodes associated with them

PETER JEE (Malaysia) – Interception of dasheen mosaic virus in taro *Colocasia esculenta* (L.) Schoff germplasm

1990

DJADJA KARIWIRA (Indonesia) – Detection and identification of fruit flies associated with imported vegetables in Peninsular Malaysia

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SRIYONO (Indonesia) – Detection of plant pathogenic fungi in rice seeds
MAZLAN B. SAADON (Malaysia) – Plant quarantine operation procedures in Port Klang, Malaysia
DZULKEFLI B. ALWI (Malaysia) – A survey of pests and diseases of major ornamental plants at Cameron Highlands
NEO CHIN ENG (Malaysia) – Study of the chrysanthemum industry in Cameron Highlands with emphasis on overcoming the white rust (*Puccinia horiana*)
LEONARDO B. ACEBO (Philippines) – Fumigation of cutflowers

1991
HERMAWAN (Indonesia) – Interception of seedborne fungal diseases in grass seeds imported into Malaysia and evaluation of some fungicidal treatments
MAKMUR BARUS (Indonesia) – Effects of methyl bromide fumigation on pregerminated oilpalm seeds
ABDUL RAHMAN (Indonesia) – Detection of seedborne fungal diseases in imported leguminous seeds into Malaysia and fungicidal treatments
JOSELITO L. ANTIOQUIA (Philippines) – Morphological and pathogenicity studies of *Corynespora cassiicola* (Berk.) from selected clones of *Hevea brasiliensis*
HALAFIHI TUIFUA (Tonga) – Detection and identification of fruit flies and postharvest fungal problems of local and imported fruits in Peninsular Malaysia

1992
LORETA CASUBHA (Philippines) – Some techniques used in Interception and Detection of Seedborne Plant Viruses
RONNIE MANUAL (Philippines) – Survey of stored product pests in imported grians.
AHMAD GHARIB (Malaysia) – A study on the effects of UV light on pathogens
AMNUAY KLINJU (Thailand) – The effect of methyl bromide fumigation on the germination of some imported weed and crops seeds
IMAN SURYAMAN (Indonesia) – Interception of weed seeds from imported vegetable seed consignments
MOHD. ZAWAWI YUSOFF (Malaysia) – A study on the types of pathogens/fungi associated with airplanes at Subang International Airport
KOESPRIYADI (Indonesia) – Response of *Tribolium castaneum* and *Cryzaephilus surinamensis* to phosphine

Master
1987
ORATAI EUATRAKOOL – Survey of stored product insects with emphasis on import and export commodities in the Philippines and Thailand
WANNAPA SAKULMUTHITA – Physical properties of seeds associated with viability and vigor of selected grain crops

1988
YUSOF OTHMAN – Study on insecticide resistance in *Sitophilus zeamais* infesting milled rice

1989
ERLINDA L. LEONES – Study on the biology of an aquatic weed *Hydrilla verticillata* (L.F.) Royle
SUWANDA – Preliminary studies on phytopathological and genetical aspects of early leaf spot (*Cercospora arachidicola* Hori) in some varieties of groundnut

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SUDARISMAN – Incorporating resistance against pepper veinal mottle virus (PVMV) and ideal morphoagronomic characters into chilli *Capsicum annum* L.

1990

MOKHTARUD-DIN BIN HUSAIN – Some aspects of biology and control of Alternanthera philoxerioides (Mart.) Grisebs and its relevance to plant quarantine

1991

IDRIS BIN ABD. GHANI – Impact of pesticides on the diamondback moth, *Plutella xylostella* (L.) and effect on its biological control agent, *Diadegma insulare* (Cresson)

DIOGENES O. LOPEZ – Downy mildew of corn in Malaysia; Biology and identification of causal agent, *Peronosclerospora sorghi* (Weston and Uppal) C.G. Shaw

ARIFIN TASRIF – A survey of weeds in leguminous cover crops in rubber and oil palm plantations and its plant quarantine aspects

C. Fellowship

P.S.S. DURAI (1986) The life histories of Malaysian Dinidonidae (Heteroptera: Pentatomoidea)

DALBIR SINGH – Mycoflora in rubber seeds in Malaysia

REY D. DUHAYLONGSOD – Plant-parasitic nematodes associated with potatoes (*Solanum tuberosum* L.)

D. Study Tour Reports

Major diseases and pests of cocoa, oil palm, cassava and plant quarantine operations in Nigeria and Ghana, Africa

E. Technical Meeting Reports

1. Planting material certification scheme, 1987
2. Suitability of different plant quarantine treatments on mangoes, 1987
3. Pest surveying techniques and emergency action programme, 1987
4. Standardization for weed interception, 1987
5. Tolerance levels for seedborne diseases, 1988
6. Slugs and snails of economic importance, 1988
7. Harmonization of postentry quarantine, 1988
8. Plant quarantine legislation and documentation, 1988
9. Plant quarantine treatments, 1988
10. Training needs of plant quarantine in the ASEAN, 1989
11. Standardization of suitable plant quarantine measures, 1989
12. Regional workshop on pest management of vegetables, 1990 (listed as Proceedings 9, iii)
13. Plant quarantine as an element of international trade facilitation, 1991
14. Standardization of plant quarantine procedures for export of various crops, 1992
15. Plant quarantine procedures on pests and diseases with emphasis on Forestry, 1992

F. Consultants' Reports

JAMES DELOUCHE. 1987. Seed Technology (in Malaysia).

KENNETH L. MAEHLER. 1987. Entomology (in ASEAN countries).

OLIVER O. STOUT. 1987. PQ Treatment (in Malaysia and PLANTI).

ROBERT P. KAHN. 1987. Postentry Quarantine (in Malaysia and PLANTI).

ROY S. COLE. 1990. Postentry Quarantine (in Malaysia, Indonesia, the Philippines and Thailand).

EUGENE DAVIDSON. 1991. Pest Risk Assessment (in PLANTI's Short Course).

ASEAN-USAID SCHOLARSHIP PROGRAMMES
SUMMARY
FROM 1987 TO 1992

	Course Title	Country	Distribution of Trainees by Country and by Gender											
			Indonesia		Malaysia		Philippines		Singapore		Thailand		TOTAL	
			M	F	M	F	M	F	M	F	M	F	M	F
I-02	M.Sc.A.Nutr. (1st yr & 2nd yr)	Jakarta, Indonesia	2	6	-	-	-	-	-	-	-	-	2	6
I-S-1	Asian Course in Tropical Epid.	Jakarta, Indonesia	2	4	3	-	1	2	-	-	1	2	7	8
M-S-1	Asian Course in Tropical Epid.	Kuala Lumpur, Malaysia	2	1	2	1	-	3	-	-	2	1	6	6
M-01	D.A.P. & E.	Kuala Lumpur, Malaysia	6	4	5	3	5	5	-	-	6	7	22	19
M-02	D.M.M.	Kuala Lumpur, Malaysia	5	2	5	15	3	11	-	-	7	10	20	38
M-03	M.Sc.Med.Microb. (1st yr & 2nd yr)	Kuala Lumpur, Malaysia	-	1	2	-	-	-	-	-	-	1	2	2
P-01	M.P.H./M.H.A.	Manila, Philippines	10	6	28	2	4	24	-	-	7	9	49	41
P-02	M.S. Public Health (1st yr & 2nd yr)	Manila, Philippines	-	-	-	-	-	1	-	-	-	-	-	1
P-03	M.O.H.	Manila, Philippines	4	2	-	-	2	10	-	-	2	2	8	14
S-01	M.Sc. Public Health	Singapore	3	1	8	3	-	2	-	-	5	-	16	6
S-02	M.Sc.(Occupa-tional Medicine	Singapore	7	2	3	2	-	2	1	-	5	-	16	6
T-01	D.T.M. & H.	Bangkok, Thailand	21	4	7	-	10	12	-	-	14	18	52	34
T-02	M.Sc.Trop.Med. (1st yr & 2nd yr)	Bangkok, Thailand	2	-	-	-	-	2	-	-	-	-	2	2
T-03	M.P.H. (Urban Health	Bangkok, Thailand	13	5	-	-	3	3	-	-	4	3	20	11
T-05	M.Sc.C.T.M.	Bangkok, Thailand	8	-	1	-	2	2	-	-	9	3	20	5
	M.M.E.	Bangkok, Thailand	1	2	-	-	2	1	-	-	2	3	5	6
	Sub-total		86	40	64	26	32	80	1	-	64	59	247	205
	TOTAL		126		90		112		1		123		452	

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ASEAN-USAID SHORT TRAINING COURSE, SEMINAR AND CONFERENCES
FY 1990-1991 and FY 1991-1992

Title/Date/Venue	Distribution of Participants by Country and by Gender											
	Indonesia		Malaysia		Philippines		Singapore		Thailand		TOTAL	
	M	F	M	F	M	F	M	F	M	F	M	F
SHORT TRAINING COURSE												
-ASEAN Workshop in Clinical Tropical Pharmacology at the Faculty of Tropical Medicine, Mahidol University, during 25-31 August 1991, Bangkok, Thailand	2	-	-	2	-	2	1	-	4	1	7	5
-ASEAN-USAID Short-term Training Course in Environmental Toxicology from Industrial and Factories, during 13-25 January 1992, Singapore	-	2	1	1	2	-	-	1	1	2	4	6
-ASEAN-USAID Training Course in Occupational and Environmental Health during 6 April - 2 May 1992, Manila, Philippines	1	2	2	-	4	4	-	-	2	2	9	8
SEMINAR AND CONFERENCES												
-33rd SEAMEO-TROPMED Regional Seminar on Emerging Problems in Food-Borne Parasitic Zoonosis: Impact on Agriculture and Public Health, during 14-17 November 1990, Chiang Mai, Thailand	3	2	4	1	2	-	1	-	8	5	18	8
-Asian Pacific Congress on Bleeding Disorders and Transfusion Medicine 10-15 May 1992, Bangkok, Thailand	8	5	6	2	1	4	-	-	-	-	15	11
Sub-total	14	11	13	6	9	10	2	1	15	10	53	38
TOTAL	25		19		19		3		25		91	

Attachment 5
(Table 1)

ASEAN Agricultural Development Planning Center (AADPC) Component
Distribution of Participants in the Master's Program
by Country and Gender; 1987–1992

NUMBER OF PARTICIPANTS

GROUP	BRUNEI		INDONESIA		MALAYSIA		PHILIPPINES		THAILAND		SINGAPORE		TOTAL		GRAND
NUMBER	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOTAL
4	0	0	1	0	1	0	0	1	2	0	0	0	4	1	5
5	0	0	3	0	1	0	0	0	2	1	0	0	6	1	7
6	0	0	3	0	5	0	0	0	2	1	0	0	10	1	11
7	1	0	3	0	2	0	4	1	3	2	0	0	13	3	16
8	0	0	0	0	0	0	2	0	2	1	0	0	4	1	5
TOTAL	1	0	10	0	9	0	6	2	11	5	0	0	37	7	44

Note: M=Male
F=Female

Attachment 5
(Table 2)

ASEAN Agricultural Development Planning Center (AADPC) Component
Distribution of Participants in the Short–term Program
by Country and Gender; 1987–1992

NUMBER OF PARTICIPANTS

GROUP	BRUNEI		INDONESIA		MALAYSIA		PHILIPPINES		SINGAPORE		THAILAND		TOTAL		GRAND
NUMBER	M	F	M	F	M	F	M	F	M	F	M	F	M	F	TOTAL
8	0	0	1	2	2	1	1	2	0	0	4	0	8	5	13
9	0	0	2	1	3	0	1	2	0	0	3	0	9	3	12
10	0	0	1	2	2	1	0	2	0	0	3	1	6	6	12
11	1	0	2	1	3	0	0	0	0	0	1	2	7	3	10
12	0	0	1	3	3	1	1	1	0	0	2	3	7	8	15
13	0	0	3	0	2	0	2	2	0	0	1	3	8	5	13
14	0	0	3	0	2	0	1	2	0	0	2	2	8	4	12
15	0	0	1	2	2	1	1	3	0	0	2	1	6	7	13
16	0	0	0	3	0	2	0	3	0	0	2	2	2	10	12
17	0	0	3	0	3	0	1	2	1	0	2	1	10	3	13
18	1	0	2	1	1	1	0	3	0	0	3	2	7	7	14
19	1	0	2	1	2	0	0	3	0	0	3	1	8	5	13
20	0	0	2	2	2	1	1	2	0	0	4	1	9	6	15
TOTAL	3	0	23	18	27	8	9	27	1	0	32	19	95	72	167

Note: M=Male
F=Female

SUMMARY OF US-ASEAN SCHOLARSHIP (PHASE II) RECIPIENT
(AIT)

	Brunei	Indonesia	Malaysia	Philippines	Singapore	Thailand	TOTAL
II. RECIPIENTS WHO COMPLETED TRAINING							
A. Master's		12	7	3		3	25
B. Certificate							
1. Academic Division's Certificate Program		1				5	6
2. PCAD	27	19	20	20	2	14	102
C. Short Term Training							
1. Regular	120	85	71	81	157	84	598
2. Academic Division's	4	48	6	19	7	20	104
3. Specially Designed	12	11	20	22	15	11	9
Sub-Total	163	176	124	145	181	137	926