

REPORT OF THE INTERNATIONAL TRAINING COURSE FOR
FISHERY EXTENSION OFFICERS

IN

EXTENSION METHODOLOGY AND RESPONSIBLE FISHING

21 October – 4 December 1998



by

Supaporn Anuchiracheeva

Course Coordinator



SOUTHEAST ASIAN FISHERIES DEVELOPMENT CENTER

TD/RP/46

January 1999

CONTENTS

	Page
Background information	1
Course Curriculum	2
Course Syllabus	3
Training Program	8
List of Guest Lecturers	12
List of SEAFDEC Lecturers	13
List of Participants	14
Report by Course Coordinator	21
Appendix I (Summary of Course Evaluation)	24
Appendix II (Table of Resource Persons Evaluation)	31
Appendix III (Sample of Media Products)	33
Appendix IV (Photographs of Training Activities)	36



2. Course Curriculum

Course Title: The International Training Course for Fisheries Extension Officers in Extension Methodology and Responsible Fishing

Duration: 21 October – 4 December 1998

Course Description: The course covered various concepts and methodologies applicable to extension services in the marine fisheries context and includes communication media and techniques as well as responsible fishing. Study trips were arranged to places related to fisheries extension.

Course Objectives:

The objectives of this training course are:

At the end of the course all participants will be able to:

1. Acquire the principles, techniques and methodologies in extension services,
2. Strengthen practical competence in planning extension work, by focusing on the participation of fishery communities; and,
3. Realize the importance of fishery resources and practical ways to conserve them and to familiarize participants with the concept of responsible fishing.

Course Content :

Content	Time (days)
I. Responsible Fishing 1. Marine Fisheries and Utilization of Fishery Resources 2. Regionalization of CCRF and Regional Technical Guidelines 3. Responsible Fishing Technology 4. Case-study on "Turtle Excluder Devices" 5. Implication of Responsible Fishing with Respect to the Environment 6. Management for Sustainable Coastal Fisheries : Vietnams Pilot Project case Study	4.5
II. Extension 1. Fishery Extension 2. Extension Program Planning 3. Active Research for Extension Work 4. Characteristics of Extension Agents & Community Awareness	12
III. Communication and Media Production 1. Communication Process 2. Communication Media Planning 3. Techniques and Production of Simple Media for Extension Work 4. Techniques and Production of Audio-visual Media 5. Presentation Techniques	12



**COURSE REPORT ON THE INTERNATIONAL TRAINING COURSE FOR
FISHERY EXTENSION OFFICERS IN EXTENSION METHODOLOGY AND
RESPONSIBLE FISHING
21 OCTOBER – 4 DECEMBER 1998**

1. Background

The primary aim of fisheries extension service is to assist groups of small-scale fishermen to develop their fishery activities, to raise their socio-economic status and their living conditions. One way of doing this is to strengthen the extension service systems these being designed to transfer appropriate technology to the fishermen and to encourage fisherman groups to organize fishery activities in the communities. Due to the decline of fishery resources the extension services must focus on creating awareness in the fisherfolk to be responsible in their use of the fishery resources by using fishing gear that are not harmful to the marine environment. The fishing communities of the grassroots organizations must be strengthened to play an important role in taking care of, and re-habilitating their fishery resources.

In order to strengthen the extension service systems, the fishery extension officers must be trained to have adequate skills in communication, dissemination and to demonstrate the necessary information to their target fishermen. Producing simple media and Audio-Visual media is sometimes necessary for the extension officer in order to simplify their message for their audience. The fishery extension officers also should have skills and knowledge to conduct extension programs, which will be started after identifying the problems, planning the program, implementing and evaluation in terms of achievement of the program and management.

The Training Department of the Southeast Asian Fisheries Development Center (SEAFDEC) has conducted international training programs for fishery extension officers since 1981. The training programs have so far produced more than 400 trained personnel, efficient in fishery extension methodology and extension media production. The participants have come from twelve different countries in South Asia, Southeast Asia and Africa.

This year, SEAFDEC/TD organized an international training course for fishery extension officers in extension methodology and responsible fishing for 45 days from 21 October to 4 December 1998.

Invitations for the nomination of participants were sent to ten countries in the Southeast Asian Region namely; Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, the Philippines, Singapore, Thailand and Vietnam. Apart from 16 participants from eight countries in this region, there were three participants from South Asian countries, Sri Lanka and Pakistan, were sent by the Colombo Plan organization to attend this course. The eventual number of participants being as follows:

Laos	1	Cambodia	1
Indonesia	1	Malaysia	2
Myanmar	1	Pakistan	1
Philippines	2	Sri Lanka	2
Thailand	5	Vietnam	3
		Total 19 Participants	



IV. Study Trips	5
1. The Fisheries Extension Division, Department of Fisheries	
2. The Sukhothai Thammathirat Open University	
3. Television Station Channel 7	
4. The Institute of Marine Science, Chonburi	
5. The Eastern Marine Fisheries Development Center, Rayong	
6. Department of Agricultural Extension	
7. Mud Crab Farm	
V. Excursions	5
VI. Others	6.5
Total	45

Note : one-day period is equivalent to six training hours.

3. Course Syllabus:

Session I: Responsible Fishing (4 days/24 hrs.)

Objectives: At the end of this session all participants were able:

1. To describe basic components and structures of the Code of Conduct for Responsible Fisheries and the Technical Guidelines for fishing operation.
2. To identify responsible fishing technologies.
3. To gain better insight into the implementation of responsible fishing in Asia.

1. Marine Fisheries and Utilization of Fishery Resources (3 hrs.)

Resource Person: Mr. Suriyan Vichitlekarn

Outline: An overview of the present situation: problems and constraints and the policies of marine fisheries development in Southeast Asia.

2. Regionalization of Code of Conduct for Responsible Fisheries and Regional Technical Guidelines (3 hrs.)

Resource Person: Mr. Bundit Chokesanguan

Outline: Regionalization of the CCRF: the objectives and scope of the regional code of conduct, basic content of the Regional Technical Guidelines on fishing operations.

3. Responsible Fishing Technology (6 hrs.)

Resource Person: Mr. Bundit Chokesanguan

Outline: An overview of responsible fishing technology: Responsible fishing operation, fishing gear selectivity, selectivity devices and modification of fishing gear, conservation-harvesting techniques, fish handling and post harvest technology.

4. Case-study on "Turtle Excluder Devices" (6 hrs.)

Resource Persons: Mr. Bundit Chokesanguan and Suppachai Ananongsuk

Outline: An introduction to, and implementation of, Turtle Excluder Devices in Asia

5. Implication of Responsible Fishing with Respect to the Environment (3 hrs.)

Resource Person: Dr. Suraphon Sudara

Outline: An introduction to the impact of fishing industry on the environment, responsible fishing concept and the implications of responsible fishing with respect to the environment.

6. Management for Sustainable Coastal Fisheries: Vietnam Pilot Project Case Study (3 hrs.)

Resource Person: Ms. Pouchamarn Wongsanga

Outline: An introduction to sustainable coastal development and Coastal fisheries management, MSCF policy and framework, beneficiaries, objectives and potential activities.

Session II: Extension (12.5 days/75 hrs.)

- Objectives:** At the end of this session all participants were able:
1. To acquire knowledge and skills in Extension Methodology, Program Planning and Research for Extension Work.
 2. To strengthen competence in planning extension work.
 3. To realize the importance of participation in extension work.

1. Fishery Extension (9 hrs.)

Resource Person: Ms. Supaporn Anuchiracheeva

Outline: An introduction to the development process of extension approaches, the extension concept, extension methodologies: individual, group and mass methods.

2. Extension Program Planning (12 hrs.)

Resource Persons: Dr. Savitree Rangsiaphat and Dr. Supaporn Thaipakdee

Outline: An introduction to the importance of extension program planning, extension program planning processes, monitoring evaluation, and assignment.

3. Research for Extension Work (42 hrs.)

Resource Persons: Mr. Suriyan Vichitlekarn and Ms. Supaporn Anuchiracheeva

Outline: An introduction to the goals and processes of active research for extension work: fieldwork practice, analysis, reporting and conclusions.

4. Characteristics of Extension Agents & Community Awareness (12 hrs.)

Resource Persons: Mr. Suriyan Vichitlekarn

Outline: An introduction to the roles of extension agents and the importance of community awareness, group dynamics and group processes in extension work.

Session III: Communication and Media Production (12 days/ 72 hrs.)

Objectives: At the end of this session all participants were able

1. To enhance their knowledge in communication techniques.
2. The participants were familiarized with new techniques in media production.
3. Skills in the use and production of appropriate media in extension work were improved.

1. Communication (3 hrs.)

Resource Person: Ms. Supaporn Anuchiracheeva

Outline: An introduction to factors and processes in communication, roles of media in communication, type of communication and media in extension work, advantages and disadvantages of each media.

2. Communication Media Planning (12 hrs.)

Resource Person: Ms. Supaporn Anuchiracheeva

Outline: An introduction to the planning process of communication media, planning of overhead transparencies, flip-chart, posters, sound-slide series, and video productions, Media design and selection of planning processes.

3. Techniques and Production of Simple Media for Extension Work (12 hrs.)

Resource Person: Ms. Supaporn Anuchiracheeva

Outline: An introduction to production techniques of simple media for extension work: production of overhead transparencies, flip-charts and posters. Using computers in media design assignment.

4. Production of Audio-visual Media (42 hrs.)

Resource Person: Messrs. Thaweesak Chanloi, Mekkara Phanchuan and Supaporn Anuchiracheeva

Outline: An introduction to the production processes of video/sound-slide series: scripting, production techniques and equipment, and assignment.

5. Presentation Techniques (3 hrs.)

Resource Person: Mr. Suriyan Vichitlekarn

Outline: An introduction to basic psychology in presentation, presentation planning, techniques and evaluation and the role of presenters.

Session IV: Study Trips (5 days/ 30 hrs.)

Objectives: To gain experience in the operation of organizations and Institutions related to fisheries and extension.

1. The Fisheries Extension Division, Department of Fisheries (3 hrs.)

Outline: An overview of fisheries extension in Thailand, highlights of extension programs in Thailand, problems and constraints in the implementation of extension programs.

2. The Sukhothai Thammathirat Open University (3 hrs.)

Outline: A computerized system for extension programs, radio and video programming, publication and publishing systems.

3. Television Station Channel 7 (3 hrs.)

Outline: Mandate and policy of agriculture and fisheries, TV programming, facilities and their function.

4. The Institute of Marine Science (3 hrs.)

Outline: Conservation of marine samples, Aquarium setting and management, marine resources in Thailand.

5. The Eastern Marine Fisheries Development Center, EMDEC (6 hrs.)

Outline: An overview of activities of the organization and highlights of responsible fishing programs. Responsible fishing activities, coastal fisheries management and resource conservation in eastern Thailand.

6. Department of Agricultural Extension (3 hrs.)

Outline: An overview of agricultural extension in Thailand, highlights of agricultural extension programs, problems and constraints in the implementation of extension programs.

7. Mud Crab Farm (3 hrs.)

Outline: An introduction to the mud crab farming system: pond preparation, feeding, changing water, harvesting and marketing.



4. Training Program:

Date	Time	Activities/Subjects
21 October, 1998 (Wed.)	0900 – 1000 hrs.	An introduction to SEAFDEC (<i>Ms. Supaporn Anuchiracheeva</i>)
	1030 – 1200 hrs.	Opening Ceremony (<i>Messrs. Udom Bhatiyasevi and Somnuk Pornpatimakorn</i>)
	1330 – 1630 hrs.	Course Orientation and Observation of SEAFDEC/TD's Facilities (<i>Messrs. Somnuk Pornpatimakorn, Thaweesak Chanloi, Suriyan Vichitlekarn and Supaporn Anuchiracheeva</i>)
22 October, 1998 (Thu.)	0900 – 1200 hrs.	Getting to Know You & International Understanding (<i>Messrs. Supaporn Anuchiracheeva and Suriyan Vichitlekarn</i>)
	1330 – 1630 hrs.	Marine Fisheries and Utilization of Fishery Resources (<i>Mr. Suriyan Vichitlekarn</i>)
23 October, 1998 (Fri.)	0900 – 1030 hrs.	Excursion to Grand Palace and Emerald Buddha Temple
	1230 – 1500 hrs.	Lunch and Shopping at Mah Boon Krong Center (<i>Mr. Suriyan Vichitlekarn</i>)
24 October, 1998 (Sat.)	0900 – 1200 hrs.	Excursion to Crocodile Farm
	1330 – 1630 hrs.	Shopping and Dinner at Seacon Square (<i>Supaporn Anuchiracheeva</i>)
25 October, 1998 (Sun.)		Free
26 October, 1998 (Mon.)	0900 – 1200 hrs.	Regionalization of CCRF and Regional Technical Guidelines (<i>Mr. Bundit Chokesanguan</i>)
	1330 – 1630 hrs.	Management for Sustainable Coastal Fisheries : Vietnam Pilot Project Case Study (<i>Ms. Pouchamarn Wongsanga</i>)

27 October, 1998 (Tue.)	0900 – 1630 hrs.	Responsible Fishing Technology: (<i>Mr. Bundit Chokesanguan</i>)
28 October, 1998 (Wed.)	0900 – 1630 hrs.	Case Study "Turtle Excluder Devices" <i>Messrs. Bundit Chokesanguan/ Suppachai Ananpongsuk</i>
29 October, 1998 (Thu.)	0900 – 1200 hrs.	Implication of Responsible Fishing with respect to the Environment (<i>Dr. Suraphon Sudara</i>)
	1330 – 1630 hrs.	Fishery Extension: Concept & Development of Extension Approaches (<i>Ms. Supaporn Anuchiracheeva</i>)
30 October, 1998 (Fri.)	0900 – 1630 hrs.	Fishery Extension: Concept & Development of Extension Approaches (<i>Ms. Supaporn Anuchiracheeva</i>)
31 October, 1998 (Sat.)	0900 – 1630 hrs	Excursion to Weekend Market (<i>Ms. Supaporn Anuchiracheeva</i>)
1 November, 1998 (Sun.)		Free
2 November, 1998 (Mon.)	0900 – 1630 hrs.	Characteristics of Extension Agents (<i>Mr. Suriyan Vichitlekarn</i>)
3 November, 1998 (Tue.)	0900 – 1630 hrs.	Community Awareness and Group Dynamic (<i>Suriyan Vichitlekarn</i>)
4 November, 1998 (Wed.)	0900 – 1200 hrs.	Visit Fisheries Extension Division, DOF
	1330 – 1630 hrs.	Visit Agriculture Extension Department (<i>Ms. Supaporn Anuchiracheeva and Tanyapat Poleeyanond</i>)
5 November, 1998 (Thu.)	0900 – 1630 hrs.	Communication process (<i>Supaporn Anuchiracheeva</i>)
6 November, 1998 (Fri.)	0900 – 1630 hrs.	Media Production I: Media in Extension Work (<i>Ms. Supaporn Anuchiracheeva</i>)
7 November, 1998 (Sat.)	0900 – 1630 hrs.	Excursion to Floating Market (<i>Ms. Supaporn Anuchiracheeva</i>)
8 November, 1998 (Sun.)		Free

9 November, 1998 (Mon.)	0900 – 1630 hrs.	Media Production II: Media Planning Process (Ms. Supaporn Anuchiracheeva)
10 November, 1998 (Tue.)	0900 – 1630 hrs	Media Production III: Simple Media (2 days) Day 1: Introduction to the Simple Media and Planning Process (Ms. Supaporn Anuchiracheeva)
11 November, 1998 (Wed.)	0900 – 1630 hrs.	Day 2: Media Development (Ms. Supaporn Anuchiracheeva)
12 November, 1998 (Thu.)	0900 – 1630 hrs.	Visit Sukhothai Thammathirat Open University Visit Television Station Channel 7 (Mr. Panitnart Veerawat & Tanyapat Poleeyanond)
13 November, 1998 (Fri.)	0900 – 1630 hrs.	Extension Program Planning I: Extension Program Planning Process (Dr. Savitree Rangsiaphat and Dr. Supaporn Thaipakdee)
14 November, 1998 (Sat.)	0900 – 1630 hrs.	Excursion to Kanchanaburi (Ms. Supaporn Anuchiracheeva & Tanyapat Poleyanond)
15 November, 1998 (Sun.)		Free
16 November, 1998 (Mon.)	0900 – 1630 hrs.	Active Research For Extension Work I: Research Process (Messrs. Suriyan Vichitlekarn and Supaporn Anuchiracheeva)
17 November, 1998 (Tue.)	0900 – 1630 hrs.	Active Research For Extension Work II: Field Work Preparation (Field Work Practice 6 days) (Messrs. Suriyan Vichitlekarn and Supaporn Anuchiracheeva)
18 November, 1998 (Wed.)	0900 – 1630 hrs.	Day 1: Leave for Rayong Province and visit to the Institute of Marine Science, Choburi (Messrs. Suriyan Vichitlekarn, Thaveesak Chanloi and Supaporn Anuchiracheeva)
19 November, 1998 (Thu.)	0900 – 1630 hrs.	Day 2: Field Work Practice (Messrs. Suriyan Vichitlekarn, Thaveesak Chanloi and Supaporn Anuchiracheeva)

20 November, 1998 (Fri.)	0900 – 1630 hrs.	Day 3: Field Work Practice (Messrs. Suriyan Vichitlekarn, Thaweesak Chanloi and Supaporn Anuchiracheeva)
21 November, 1998 (Sat.)	0900 – 1630 hrs.	Day 4: Visit to the Eastern Marine Fisheries Development Center, Rayong (Messrs. Suriyan Vichitlekarn, Thaweesak Chanloi and Supaporn Anuchiracheeva)
22 November, 1998 (Sun.)	0900 – 1630 hrs.	Day 5: Leaving for Chonburi Province Visit Suan Nong Nuch
23 November, 1998 (Mon.)	0900 – 1630 hrs.	Day 6: Leaving for SEAFDEC/TD Visit Angsila Fishing Village (Stay at EMDEC Dormitory 4 nights, Chonburi 1 night)
24 November, 1998 (Tue.)	0900 – 1630 hrs.	Active Research for Extension Work IV: Conclusion and Reporting of the Field Work (Messrs. Suriyan Vichitlekarn and Supaporn Anuchiracheeva)
25 November, 1998 (Wed.)	0900 – 1630 hrs.	Extension Program Planning II: Monitoring and Evaluation (Dr. Savitree Rangsiphath and Dr. Supaporn Thaipakdee)
26 November, 1998 (Thu.)	0900 – 1630 hrs.	Media Production IV: Audio Visual Media (7 days) Day 1: Scripting (Messrs. Thaweesak Chanloi, Mekkara Phanchuan and Supaporn Anuchiracheeva)
27 November, 1998 (Fri.)	0900 – 1630 hrs.	Day 2: Audio Visual Technique (Messrs. Thaweesak Chanloi, Mekkara Phanchuan and Supaporn Anuchiracheeva)
28 November, 1998 (Sat.)	0900 – 1630 hrs.	Day 3: Audio Visual Technique (Messrs. Thaweesak Chanloi, Mekkara Phanchuan and Supaporn Anuchiracheeva)
29 November, 1998 (Sun.)	0900 – 1630 hrs.	Excursion to Dream World (Ms. Supaporn Anuchiracheeva)
30 November, 1998 (Mon.)	0900 – 1630 hrs.	Day 4: Media Development (Messrs. Thaweesak Chanloi, Mekkara Phanchuan and Supaporn Anuchiracheeva)

1 December, 1998 (Tue.)	0900 – 1630 hrs.	Day 5: Media Development (Messrs. Thaweesak Chanloi, Mekkara Phanchuan and Supaporn Anuchiracheeva)
2 December, 1998 (Wed.)	0900 – 1630 hrs.	Day 6: Media Development (Messrs. Thaweesak Chanloi, Mekkara Phanchuan and Supaporn Anuchiracheeva)
3 December, 1998 (Thu.)	0900 – 1630 hrs.	Day 7: Media Presentation (Messrs. Thaweesak Chanloi, Mekkara Phanchuan, Supaporn Anuchiracheeva and Suriyan Vichitlekarn)
4 December, 1998 (Fri.)	1000 - 1200 hrs. 1700 hrs.	Evaluation (Messrs. Somnuk Pornpatimakorn, Supaporn Anuchiracheeva and Suriyan Vichitlekarn) Closing Ceremony (Mr. Udom Bhatiyasevi and Mr. Somnuk Pornpatimakorn)

5. List of Guest Instructors

Name	Addresses	Subjects
1. Dr. Savitree Rangsihaht (Assistant Professor)	Faculty of Agriculture, KU. Kasetsart Campus, Chatujak, Bangkok, 10900: Tel: 5613477, 5791025	Extension Program Planning
2. Dr. Supaporn Thaipakdee (Senior Instructor)		
3. Mrs. Pongthong Onoora (Legal Officer)	International Law and Treaty Sub-division, Fisheries Foreign Affairs Division, Department of Fisheries, Kasetsart University Campus, Chatuchak, Bangkok 10900 Tel:5794529 direct line 5620600-15 ext. 3103 Fax: 5794529	Code of Conduct for Responsible Fisheries
4. Dr. Surapol Sudara (Marine Science Department Head)	Faculty of Science, Chulalongkorn University, Tel: 2185390 direct line 2185394-5 Fax: 2511951, 2550780	Implication of Responsible Fishing with Respect to the Environment

6. List of SEAFDEC's Instructors

Name	Position
1. Mr. Bundit Chokesanguan	Training Division Head
2. Mr. Somnuk Pornpatimakorn	Information and Extension Division Head
3. Ms. Pouchamarn Wongsanga	Socio-economic Section Head
4. Mr. Supachai Anantaphongsuk	Fishing Technology Section Head
5. Mr. Taweesak Chanloi	Audio-visual Section Head
6. Mr. Mekkara Phunchuen	Audio-visual officer
7. Mr. Suriyan Vichitlekarn	Development Officer
8. Ms. Supaporn Anuchiracheeva	Extension Officer

LAOS

3. Ms. Bouaphanh Chanthasit

Educational Background: B.Sc. (Fisheries Extension)
Working Information Position: Fisheries Extension Officer
Office Address: Agriculture of Sikoedtaboung, 13 Luang Prabang,
Sikoedtaboung, Laos
Tel : 007-856-21-213262 (Vientiane Office)

MALAYSIA

4. Mr. Abd. Rahim Bin Hashim

Educational Background: High School Certificate
Working Information Position: Fisheries Extension Officer
Office Address: Fisheries Department, Tingkat 6, Block A
Wisma Persekutuan, 80628 Johor Bahru
Malaysia
Tel : 07-2244079, Fax : 07-2230779
Mobile Phone : 019-7154608
E-mail : himra@goplay.com

5. Mr. Mohd. Zin Bin Saad

Educational Background: B.Sc. (Fisheries)
Post Graduate Diploma in Library Sc.
Working Information Position: Fisheries Officer
Office Address: Department of Fisheries
Wisma Tani, Jalan Sultan Salahuddin
50628 Kuala Lumpur, Malaysia
Tel : 03-2954582/565
Fax : 03-2910305
E-mail : mdzsaa01@dof.moa.my
zs212@goplay.com
Residence: No. 7, Jalan Kelisa 4C/1
Taman Desa Kelisa, 44300 Hulu Yam Baru
Selangor, Malaysia

MYANMAR

6. Mr. U Win Oo

Educational Background: Aquatic Product Technology Diploma
B.Sc. (Bachelor of Zoology Science)

Working Information Position: Township Fisheries Officer

Office Address: Department of Fisheries, Twantay Township
Yangon, Myanmar
Tel : 045-50351, 045-50034, Fax : 095-01-228258

Home Address: No. 12/BF, Lake Road, Hlaing Township,
Yangon, Myanmar
Tel : 01-247758

PAKISTAN

7. Mr. Muhammed Iqbal

Educational Background: B.Sc. M.A Economics, L.L.B

Working Information Position: Senior Research Assistant

Office Address: Marine Fisheries Department
West-Wharf Fish Harbor, Karachi, Pakistan
Tel : 202795-8, Fax : 2312923

SRILANKA

8. Mr. Jasin Arachchige Athula

Educational Background: B.Sc. (Special Degree in Zoology)

Working Information Position: Aquaculturist

Office Address: District Fisheries Extension Office
Tangalle, Sri Lanka
Tel : 94-1-47-40208, Fax : 94-1-47-40208

Home Address: "Jayanie", No. 290/2, Menikagara Road
Koratota, Kaduwela, Sri Lanka
Tel : 94-77-313160

9. Mr. Sulaiman Thayoob

Educational Background: B.A.

Working Information Position: District Fisheries Extension Officer

Office Address: Department of Fisheries & Aquatic Resources
Pallimunai Road, Mannar, Sri Lanka
Tel : 023-2173, Fax : 023-2173

Home Address: New Road, Kahatagahamada
Pahamune, Narammala, Sri Lanka
Tel + Fax : No. 037-49295

THAILAND

10. Ms. Jinda Pradit

Educational Background: Bachelor's Degree (Fisheries)

Working Information Position: Fisheries Biologist

Office Address: Chumporn Marine Fisheries Development Center
408 Moo 8 Pak-nam Sub-district, Muang District,
Chumporn Province 86120, Thailand
Tel : 077-522006, Fax : 077-522006

Home Address: 126 Moo 2, Ao-Noi Sub-district,
Muang District,
Prachabkhirikhan Province 77000
Thailand
Tel : 01-9681653, 01-9581653
E-mail : jindapradit@hotmail.com

11. Ms. Pakjuta Kheamakorn

Educational Background: M.Sc. (Marine Science)

Working Information Position: Fisheries Biologist

Office Address: Satun Marine Fisheries Station
462 Moo 3, Tammalang, Muang, Satun Province 91000
Thailand
Tel : 074-721719-20, Fax : 074-721979

Home Address: 9/1 Wicheinchom Rd., Bo-Yang, -
Muang, Songkhla Province 90000, Thailand
Tel : 074-313790

12. Ms. Veeraporn Sriakaphorm

Educational Background: Master of Science

Working Information Position: Fisheries Biologist

Office Address: Fisheries Extension Division, Viphavadee Road
Bangken, Jatujak, Bangkok 10903, Thailand
Tel : 5614684-5, Fax : 5614684

Home Address: 64/578 Sirarom Village, Bangcurad, Sub-district
Bang Bua Thong District, Nontaburi Province
Thailand

13. Mr. Chao Srivichai

Educational Background: Bachelor Degree of Science (Fisheries)

Working Information Position: Fishery Biologist

Office Address: Samutsakorn Provincial Fisheries Office
Dermbang, Muang, Samutsakorn Province 74000
Thailand
Tel : 034-411846, Fax : 034-837371

Home Address: 130/32 Soi Sassana 4
Rama 6 Road (28), Samsennai, Phaya Thai
Bangkok 10400, Thailand
Tel : 02-2783642

14. Mr. Warodom Imsakul

Educational Background: B.Sc. (Aquatics)

Working Information Position: Fisheries Biologist

Office Address: Department of Fisheries
Phaholyothin Road, Ladyoe, Chatujak, Bangkok 10600
Thailand
Tel : 579-9528, Fax : 579-9528

Home Address: 926/96 Soi Simit, Sethakit Rd..
Mahachai, Muang District, Samutsakhon 74000
Thailand
Tel : 034-412596 (662)
E-mail : wimsakul@hotmail.com



THE PHILIPPINES

15. Engr. Antonio P. Morales

Educational Background: M.Sc. Agricultural Engineering
(Soil & Water Mgt.)
Ph Units on Rural Development

Working Information Position: Senior Aquaculturist/Aquaculture Engineer

Office Address & Residence: Bureau of Fisheries & Aquatic Resources
National Freshwater Fisheries Technology Center,
CLSU Cpd., Munoz, Nueva Eaija, Philippines
Tel : (63) (44)-45-60-241
E-mail : nfftc@mozcom.com
tonmorales@hotmail.com

16. Mr. Pendatun I. Talib

Educational Background: B.S. Fisheries
B.S. Liberal Arts (AB) and
Master in Public Administration

Working Information Position: Training Center Superintendent II

Office Address: Department of Agriculture, Agricultural Training
Institute, Regional Fishermen Training Center
Region IX, Port pilar, Zamboanga City
Mindanao, Philippines
Tel : (062) 991-51-28, Residence : (062) 992-27-44

VIETNAM

17. Mr. Phan Tien Chuong

Educational Background: Engineer Aquaculture

Working Information Position: Engineer Fishery

Office Address: Fishery Extension Center, Truong Thi Str-Vinh City
Nghe An, Vietnam
Tel : 84-38-831828, Fax : 84-38-843088

Home Address: K12-Ben Thuy Village
Vinh City-Nghe Au, Vietnam
Tel : 84-38-856311

18. Mrs. Tran Thi Thu Ha

Educational Background: Fishery Aquaculture Engineer

Working Information Position: Vice Director Fishery Extension Center of Province

Office Address: Fishery Extension Center, 487 Nguyen Hue –
Qui Nhon, Binh Dinh, Vietnam
Tel : 00184-56-846393, Fax : 00154-56-825797

Home Address: 13 Nguyen Van Troi-Quy Nhon-Binh Dinh
Tel : 00184-56-823026

19. Mr. Nguyen Viet Dung

Educational Background: Fishery Aquaculture Engineer

Working Information Position: Engineer Director Fishery Aquaculture Company

Office Address: 264 Tran Hung Dao, Quang Ngai Town
Quang Ngai, Vietnam
Tel : 00184-55-822056

Home Address: 51/1 Nguyen Thuy-Quang Ngai Town
Quang Ngai – Vietnam
Tel : 00184-55-820835



8. Report by the Course Coordinator

Course Content

The International Training Course in Extension Methodology and Responsible Fishing was designed for fishery extension officers in the Southeast Asian countries. In order to achieve the objectives of the course the training program was divided into 4 main parts, which are: the responsible fishing session, the extension session, the communication and media production session, and the study trips.

- The first part started with fundamental subjects, the general situation of fishery in the Southeast Asian Region was given to participants in order to tune up their basic fishery knowledge before developing into further subjects. This was followed by an introduction to the concept and principles of responsible fishery, and a case study on responsible fishing technology (TEDs).
- The second part of the course focused on extension concepts, methodologies, and extension program planning and monitoring and evaluation. The principle, concept and procedure of active research, always used in extension work were also introduced to the participants. To practice the principle and concept of active research and extension program planning the participants had an opportunity to collect information from Ban Krok Yai Cha fishing community in Rayong province.
- Simple and audio-visual media production for extension work was the third part of the course, which is always of interest to the participants. The lectures covered all the content of communication concepts, human learning styles, support of media in extension work, media planning processes and media production techniques for posters, flipcharts, transparencies, sound slide series and video productions. The presentation technique was also included in this session.
- Study trips were organized throughout the course. These were designed so that the participants gained more experience and ideas about the mandates and activities of related organizations.

Training Methodology

The concept of extension service focuses on transferring information to audiences by using the participatory approach and also concerns the style of adult learning, the training methodology of this course was the pertinent issue. Lectures in class and practice in field surveys and media production balanced the course. In the class, training media such as overhead transparencies, slides, videos, flip charts and computers were used to assist the learning process of participants.

During the media production workshop, all participants were divided in to 4 groups and were assigned to produce 4 types of extension media, namely;

1. a set of flip charts (8-10 sheets)
2. a set of overhead transparencies (8-10 sheets)

3. a poster
4. a sound slide series (60 frames) or a video film (6-8 minutes)

* Samples of the media will be found in Appendix III

At the beginning of workshop, the lecturers for each subject gave an introduction to media production techniques which were demonstrated, to all participants. They were then allowed to work by themselves. On the last day, all the groups presented their productions to all participants and the lecturers for comment and a reasoned critique.

For the field survey practice, the participants were divided into 4 groups who were each assigned to interview 10 families. The questions from each group were prepared to focus on different aspects, for instance one group concerned themselves with policy problems, one group inquired into knowledge problems, one group raised questions about attitude problems, and the last concerned themselves with skill problems. At the end of the survey all the groups discussed the information they obtained and planned an extension program both to cover the problems and to develop the community.

Summary of the Evaluation Form

A Course Evaluation was completed at the end of the course. Each participant being requested to fill a form and give more suggestions in the course evaluation plenary discussion. A summary of the evaluation is as follows:

Course content:

About 90% of the participants stated that their expectation were fulfilled. There were some comments on the course content raised during the plenary discussion, namely

- Responsible fishing session should be given more time. The lecturers on this subject should elaborate more detail of the concept of responsible fishing. It also should be presented using various methods.
- Communication session should be given more time and multimedia for extension work should be included in the curriculum. Equal opportunities should be given to all participants to practice with media equipment. Presentation techniques should be given at the beginning of the course.
- Fishery extension session: the national extension program of each country should be presented during this session.
- Computer and Thai class should be organized during the course
- Sequencing of the course content was not well organized

Course Duration

100 % of participants agreed that the course is organized at an appropriate time of the year (October – December). About 26 % suggested that the period of the course should be longer than 6 weeks (eight – ten weeks).

Training Methods, Training Equipment and Facilities

92 % of the participants were satisfied with training methods, training equipment and facilities used during this course. There was only one suggestion on computer facilities, which should be upgraded with new programs installed for use in media production.

Resource persons

82.5% is the average score of resource persons of this course, see details in appendix II.

Living Condition;

78 % of the participants were satisfied with the accommodation and dormitory's facilities. Only few suggestions were raised e.g. increased daily subsistence allowance from 250 baht/day to 500 baht/ day etc. See more details in Appendix I, page 28, item 18 and page 29-30, item 22.

Management of the course

Course effectiveness score was 83.3 %. Even though the score is quite high, there are still many suggestions from participants which are very useful for improving the fishery extension course in the future. See the suggestions in Appendix I, page 29-30, item 22.

Participants' performance evaluation

During the course, many group assignments were given to all participants. All participants performed very well; appointed a group leader, divided tasks, and were responsible for their duties. Each assignment was finished on time and showed the effort and cooperation of each group and membership. The concept of extension services, extension program planning, communication media planning as well as responsible fishing were integrated and applied in the result of each assignment. Especially in media presentation at the end of the course, most of the presented media were very impressive and attractive to the audience. See the products of fishery extension participants in appendix III



Summary of the Course Evaluation

Introduction

The course evaluation of "The International Training Course for Fishery Extension Officers on Extension Methodology and Responsible Fishing; 21 October – 4 December 1998", was carried out on the 4 December 1998. Two strategies were applied namely; questionnaire for individual evaluation and plenary discussion for the overall group evaluation.

The following is the summary of individual evaluations from the questionnaires and plenary group discussions.

Evaluation Questionnaires

The evaluation questionnaires were composed of six sections, namely: Personal Information, Course Duration, Course Content, Training Methods, Training Equipment and Facilities, Living Conditions and Others. Prior to this evaluation questionnaire, Resource person evaluation forms for each subject were given to the participants. At the end of this part, course effectiveness calculation is illustrated.

Section 1: Participants' Information and Expectations

1. SEAFDEC Country-membership : there were 19 participants in this course; 12 from member countries (Malaysia-2, Philippines-2, Vietnam-3, and Thailand-5), and 7 from non-member countries (Cambodia-1, Indonesia-1, Laos-1, Myanmar-1, Pakistan-1, and Sri Lanka-2)

2. Motivations or reasons for participants to attend this training course
 - 19 To improve my knowledge and skills for my job.
 - 3 The possibility for international travel
 - 3 To gain more knowledge and SEAFDEC experience
 - 2 I was sent by my employer
 - 1 To improve English
 - 1 To exchange experience with foreign participants

3. The three most important areas of knowledge and skills expected by the participants. to improve/obtain by attending this course are
 - 13 Fishery extension
 - 13 Media production
 - 6 Responsible fishing
 - 6 Extension program planning
 - 4 Meeting with other country participants
 - 3 Presentation techniques
 - 3 Marine fisheries and utilization of fishery resources

- 1 Thai culture
- 1 International understanding
- 1 English improvement

4. Fulfillment of expectations of participants, with regard to the areas of knowledge and skills they expected to obtain.

- 17 Expectation fulfilled
 - 3 Having more knowledge and experience about extension work
 - 3 Meeting with different country participants
 - 1 Improving knowledge and experience in fishery development
 - 1 Training period should be extended e.g. one more month, etc
 - 1 Improving extension program planning techniques
 - 1 Able to produce audio-visual materials
- 2 Expectation not fulfilled
 - 1 New media used in extension was not fulfilled as expected
 - 1 More details of responsible fishing should be given
 - 1 More practice for media production should be given

Average score = 9.0

Section 2: Course Duration

5. Appropriateness of six-week training duration

- 14 Appropriate
- 5 Inappropriate, the appropriate duration should be
 - 3 Eight weeks
 - 2 Ten weeks

6. Appropriateness of the training period (October-November) the participants' home offices to participate in this kind of training course

- 19 Appropriate
- 0 Inappropriate

Section 3: Course Content

7. Appropriateness of the course content

	Amount of content	Applicability	Average
1. Marine Fisheries and Utilization of Fishery Resources (Mr. Suriyan Vichitlekarn)	7.7	7.4	7.6
2. Regionalization of CCRF and Regional Technical Guidelines (Mr. Bundit Chokesanguan)	7.0	7.4	7.2
3. MSCF in Vietnam (Ms. Pouchamarn Wongsanga)	6.6	6.5	6.6
4. Responsible Fishing Technology & Case Studies of TEDs (Mr. Bundit Chokesanguan)	8.4	7.6	7.8
5. Fisheries Extension Concept & Development of Extension Approaches (Ms. Supaporn Anuchiracheeva)	8.8	8.6	8.7



	Amount of content	Applicability	Average
6. Characteristics of Extension Agents (Mr. Suriyan Vichitlekarn)	8.4	8.7	8.6
7. Community Awareness and Group Dynamics (Mr. Suriyan Vichitlekarn)	8.0	8.1	8.0
8. Communication Process & Simple Media Production (Ms. Supaporn Anuchiracheeva)	8.2	8.8	8.5
9. Extension Program Planning (Dr. Savitree Rungsipaht & Dr. Supaporn Thaipakdee)	6.7	7.6	7.2
10. Active Research for Extension Works (Messrs. Suriyan Vichitlekarn & Supaporn Anuchiracheeva)	8.0	7.8	7.9
11. Audio-Visual Media Production (Messrs. Thaweesak Chanloi, Supaporn Anuchiracheeva and Mokka Phunchuen)	8.5	8.1	8.3
12. Presentation Techniques (Mr. Suriyan Vichitlekarn)	<u>8.5</u>	<u>8.7</u>	<u>8.6</u>
average score	<u>7.9</u>	<u>7.9</u>	<u>7.9</u>

8. Subjects to be omitted

- 17 No
- 1 Yes
- 1 Extension program planning should be integrated with other extension subjects
- 1 (no answer)

9. Subjects to be added in this course

- 3 More on responsible fishing
- 2 Training module writing
- 1 Fish processing and quality control
- 1 Use of computers
- 1 Multi-media in extension
- 1 Use of video and SLR cameras
- 1 Computer programs for presentation
- 1 Thai and English classes
- 1 Shipboard training
- 1 Fishing technology
- 1 Sustainable management of fishery resources
- 1 Extension projects
- 1 Public Speaking

10. Please rank the place visited with respect to insight gained

- 7.6 Coastal Aquaculture Station
- 7.4 Eastern Marine Fisheries Development Center (EMDEC)
- 6.9 Fisheries Extension Division
- 5.4 Television Station Channel 7
- 5.0 Agricultural Extension Department
- 5.0 Institute of Marine Science
- 4.8 Mud-crab Farm
- 3.0 Sukhothai Thammatirat Open University

11. Visited places to be added or omitted

10	No
9	Yes
	To be added
3	More fishing villages
2	Phuket Marine Biological Center
1	Places in Southern parts of Thailand
1	Fishing ports
1	Fish processing factories
1	Shipboard training
1	Nai Sea Turtle Conservation Station
	To be omitted
1	Agricultural Extension Department
1	Sukhothai Thammatirat Open University

12. Usefulness of the survey practice

15	Useful
6	Gain new techniques and experience
5	Know fishermen's problems
1	Give better understanding of extension program planning
1	Baseline information of fishermen needs and problems was provided
4	Not useful

Average score = 7.9

13. Comment on the total content of the course

15	Satisfactory
4	To be improved on
1	There should be a brief country paper presenting during the course on national extension programs
1	Specific media on responsible fishing should be produced and tried out with fishermen to measure the effectiveness
1	More explanation about responsible fishing and sustainable management of fishery resources
1	Aquacultural extension and practice should be provided.
1	The coordinators should show more important and interesting topics or activities in the program.

Section 4. Training Methods, Training Equipment and Facilities

14. Please rate training methods used in the course

	appropriate	inappropriate		no answer
		too few	too many	
14.1 Lectures	18	1	-	-
14.2 Practices	12	6	-	1
14.3 Survey	14	4	-	1
14.4 Study tours	17	1	-	1

Section 6. Others

20. In the participants' opinions, the training course was designed for:

- 5 Someone with experience in the extension field
- 3 Someone with media production skills
- 12 Someone with working experience
- 7 Someone without experience

21. Strengths and weaknesses of this course considered by the participants

Strengths

- 3 Good/experienced resource persons
- 3 Good relationship
- 3 Course management/coordination set up was good
- 2 Very cooperative staff
- 1 Good technical knowledge
- 1 Availability of instructors giving information on any matter regarding the course
- 1 Interesting excursions
- 1 Course content was relevant
- 1 Good accommodation
- 1 Good training facilities
- 1 Good participants

Weaknesses

- 2 Time allocation was not appropriate
- 2 Limited ability of some participants to speak English
- 1 Limited budget e.g. allowance
- 1 Sequencing of the course content was not well-organized
- 1 Relationship between participants was not good

22. Suggestions for overall course improvement

- 2 A participants' leader should be appointed/selected.
- 2 Increase DSA e.g. up to 500 baht/day to cope-up with the high prices of commodities
- 2 A Thai class should be organized during the course.
- 1 More time should be allocated to media production
- 1 Presentation techniques should be given at the beginning of the course
- 1 More laundry machines should be provided at the dormitory
- 1 Allocate more budget
- 1 Provide a copying machine for participants' use
- 1 Provide freezers at the dormitory
- 1 Provide other recreational activities e.g. boating, canoeing in the fish pond near the dormitory
- 1 Computer facilities should be upgraded, both software and hardware
- 1 There are too many subjects, the course should be extended to 8 weeks
- 1 Subject of psychology should be included in the course.
- 1 Computer technology should be included in the course.

- 1 Practical training is very important, equal opportunities should be given to all participants
- 1 More time should be allocated to media production practices
- 1 Sea trip or shipboard training should be included in the course.
- 1 Participants should be able to communicate in English.
- 1 Participants should be required to bring with them national costumes or uniforms to use for important occasions
- 1 There should be presentations from all participating countries on their extension programs.
- 1 Participants should have a sense of responsibility
- 1 A post training tour should be organized to see the beauty of Thailand.

Section 7. Resource Persons

23. Summary of the evaluation on resource persons of each subject is illustrated in appendix II

Course Effectiveness

Considering

Section 1/4	: Fulfillment of expectation (A)	=	9.0
Section 3/7	: Course content (B)	=	7.9
Section 5/12	: Benefit from survey practice (C)	=	7.9
Section 4/15-16	: Sufficiency/appropriateness of training equipment, facilities and sites (D)	=	9.2
Section 5/17	: Living conditions (E)	=	7.8
Section 5/19	: Relationship between the participants and staff (F)	=	8.2
Section 7/24	: Resource persons (G)	=	8.3

The course effectiveness is $= (A + B + C + D + E + F + G)/7 = 8.33$ or 83.3%



Evaluation of Resource Person

Subject/Lecturer	Applicability & Amount of Content	Master of subject matter	How much learned	Organization of lesson	Efficient use of time	Communication skill	Efficient use of teaching media	Interaction between lecturer & participants	Teaching Method	Useful of lecture note	Total
1. Marine Fisheries & Utilization of Fishery Resources (Mr. Suriyan Vichitakarn)	76	82.5	80.5	85.5	87.5	87.5	90.5	82.5	92.5	80	84.50%
2. Regionalization of CCRF and Regional Technical Guidelines & Responsible Fishing Technique & TEDs Case Study (Mr. Bundit Chokesanguan)	70	88	81.3	84	85.3	84	76	80	84	80	81.26%
3. Fishery Ext. Concept & Development Approaches (Ms. Supaporn Anuchiracheeva)	87	90	86.7	91.7	86.7	85	91.7	93	91.7	88.3	89.18%
4. Management for Sustainable Coastal Fisheries (Ms. Pourtham Wongsangah)	66	80	71.25	77.5	77.5	76.25	80	75	71.25	72.5	74.73%
5. Getting to Know You & International Understanding (Ms. Supaporn & Mr. Suriyan)	-	80	75.3	83.5	89.4	90.6	83.5	89.4	88.2	78.8	84.30%
6. Characteristics of Extension Agents (Mr. Suriyan Vichitakarn)	86	82.9	81.4	90	87	90	90	91.4	87	80	86.57%
7. Communication Process & Simple Media Productions (Ms. Supaporn Anuchiracheeva)	85	82.5	82.5	81.25	78.75	86.25	88.75	83.75	87.5	75	83.13%
8. Extension Program Planning (Dr. Savitree Rungsipatt & Dr. Supaporn Thaipakdee)	72	78.7	70.7	77.3	74.7	78.7	78.7	74.7	74.7	72	75.22%
9. Active Research for Ext. Work Messrs. Suriyan Vichitakarn & Supaporn Anuchiracheeva)	7.9	-	-	-	-	-	-	-	-	-	79.00%

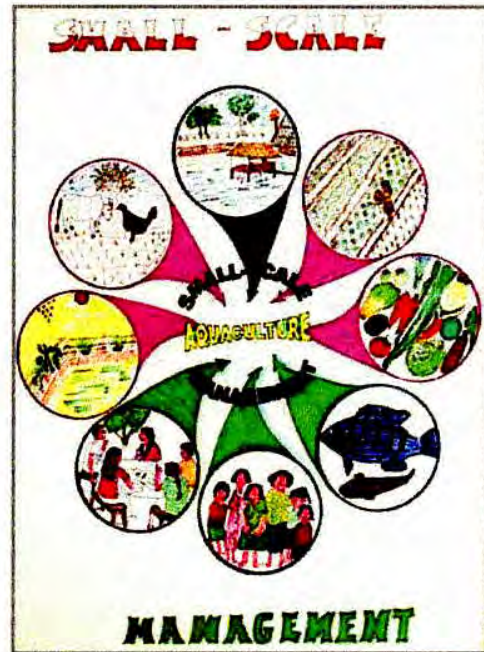
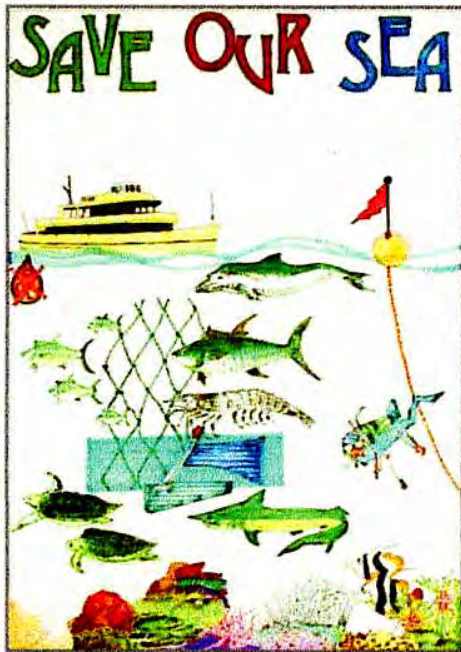
Evaluation of Resource Person

Subject/Lecturer	Applicability & Amount of Content	Master of subject matter	How much learned	Organization of lesson	Efficient use of time	Communication skill	Efficient use of teaching media	Interaction between lecturer & participants	Teaching Method	Useful of lecture note	Total
10. Audio-Visual Media Production (Messrs. Thaweasak, Supaporn and Mokka)	83	86.6	85.3	86.6	82.6	88	89.3	89.3	86.6	82.6	85.99%
11. Presentation Techniques (Mr. Sunyan Vichitakarn)	86	82.8	80	87.1	80	87.1	85.7	90	87.1	80	84.58%
12. Implication of Responsible Fishing with Respect to the Environment (Dr. Suraphol Sudara)	-	90.7	86.7	85.3	81.3	88	74.7	85.3	86.7	78.7	84.16%
13. Laws of the Sea (Ms. Pongthong Omura)	-	84.7	76.5	78.8	82.4	89.4	78.8	81.2	75.5	71.8	80.01%

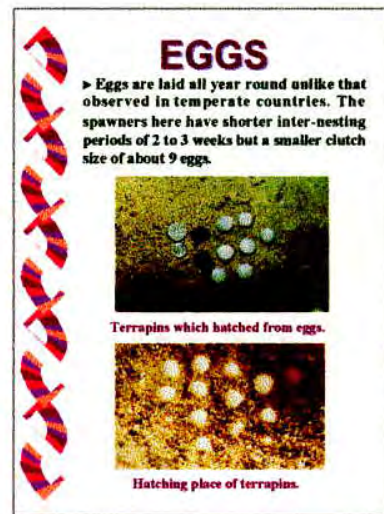
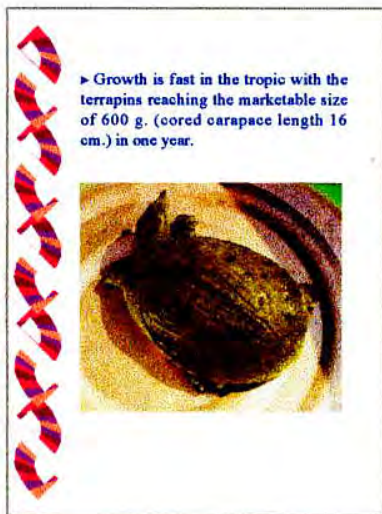
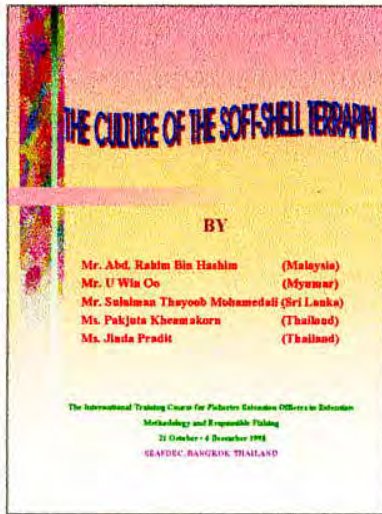
Total Score 82.51%

Appendix III

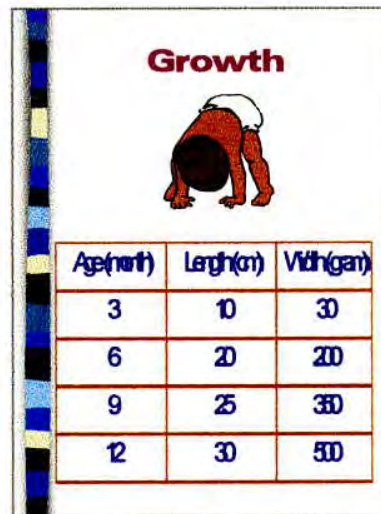
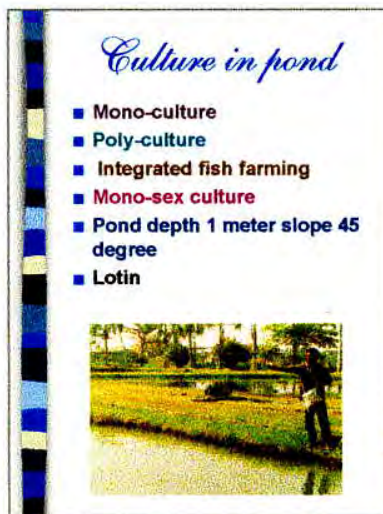
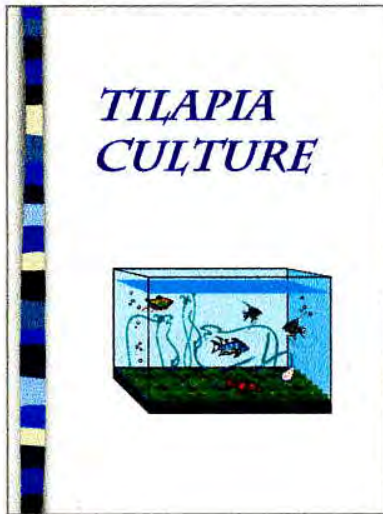
➤ **Media Products of the Fishery Extension Course Participants**



Samples of Posters
Made by the Participants
of this course



Samples of Transparencies
"Terrapin Culture"
Made by Participants, Group No. 2



Samples of Transparencies
"Tilapia Culture"
Made by Participants, Group No. 3

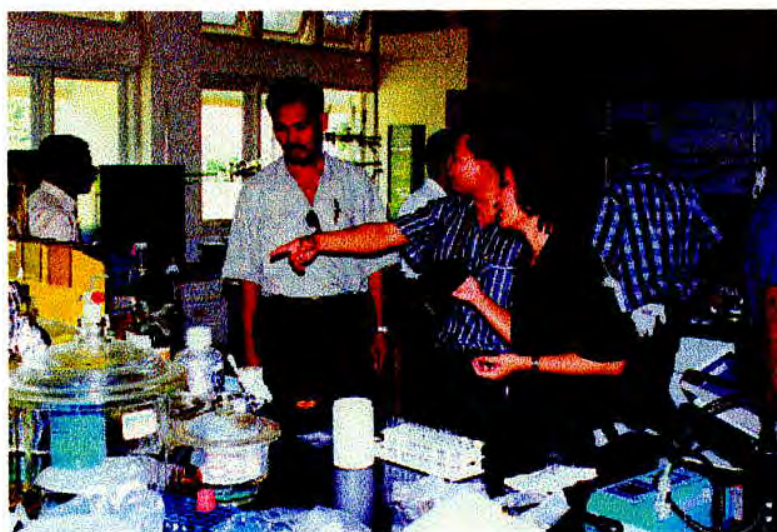
Appendix IV

➤ **Photographs of Training Activities**

Visiting Marine Science Institution



Visiting Eastern Marine Fisheries Development Center (EMDEC)



Media Workshop



Flip Charts, Posters and Transparencies Production

Video Shooting



Sound Slide Production

