

## **6.0 Conference, Seminars, Workshops and Short Courses**

### **6.1 Fish Disease Workshop**

Management of fish diseases is a very crucial aspect in the management of aquaculture. Hence UMT has organized this workshop to assist farmers and researchers in the field of fish disease.

This is the first in a series of Fish Disease workshop organized by AKUATROP. The aims of this workshop are to educate and also provide information to the participants for the benefit of their future research and also to reinforce the development of local aquaculture industry. The fish disease workshop was held on 16-19 April 2007 at Biodiversity Lab and Microbiology Lab of UMT.

The objective of this workshop was to provide hands on training to aquaculturist and researcher on dealing with problems of fish disease. The listed objectives were fulfilled and the event met up to expectations. This workshop had provided a clear vision on fish disease management.

The workshop was successful due to commitment and dedication of committee members. All the events planned ran smoothly and received positive responses from the participants. Participants are looking forward for another seminar or workshop to be organized in the future. It is suggested that future

workshops should include other topics of disease. This is a meaningful success since this is the first fish disease workshop ever organized by AKUATROP. The participation was encouraging, ranging from government and non government staff and students from UMT.

As a conclusion, it is hoped that future seminars can be improved and able to assist in developing aquaculture research in UMT and the country.



Prof. Faizah delivering lecture on aquatic parasite.



Dr. Csaba demonstrating the correct method to prepare a slide.



Seminar participants giving their full attention during one of lecture session.



Dr. Csaba receiving a token of appreciation from Director of AKUATROP, Prof. Faizah.



Fish Disease workshop 2007 participants

## 6.2 Aquaculture Research Group Workshop

AKUATROP with collaboration of Aquaculture Research Group (ARG) organized their first retreat (ARG workshop) at Vistana Hotel, Kuantan from 26<sup>th</sup> till 28 June 2007. A total of 27 researchers and staffs from AKUATROP and FASM (Faculty of Agrotechnology and Food Science) participated in this workshop. Prof. Mashitah Yusoff from Universiti Malaysia Pahang joined the workshop sessions as a collaborative member. The main objective of this workshop is to synchronize and organize the current flagship projects of AKUATROP. This workshop had successfully generated new ideas among participants and 3 detailed proposals for AKUATROP funding under the flagship category were prepared.



Aquaculture Research Group Leader delivering his lecture.



Aquaculture Research Group members listening to one of the members presentation



Aquaculture Research Group members giving their full attention during one of the presentations.

### **6.3 Fish Genetic Workshop**

From 2<sup>nd</sup> to 6<sup>th</sup> of September 2007, AKUATROP organized the Fish Genetic Workshop “Principle of Selective Breeding” at Gem Beach Resort in association with the World Fish Centre, Penang. The invited modulators were Dr. Raul W. Ponzoni (Research Scientist and Project Leader-Geneticist) Aquaculture and Genetic Improvement and also Dr. Nguyen Hong Nguyen (Scientist) Aquaculture and Genetics Improvement, The World Fish Centre, Penang.

This 5 day workshop emphasized on theory and practical work in selective breeding towards fish genetic improvement. This workshop also covered various aspects of fish genetic and breeding program consisting of introduction to fish genetic, setting up a breeding program, analysis of quantitative and qualitative traits, brood stock and larval management and setting up a research facility for conducting breeding program. This workshop also trained the participants in using three different software to analyze scientific data through SAS (Statistical Analysis Software), Selection Index (Selection) and Genetic Evaluation (Best Linear Unbiased Prediction-BLUP).

There are 23 participants including science officers and fisheries officers from AKUATROP, academic fellow and lecturers from FASM, research officers from Marine Fin Fish Production and Research Centre Tanjung Demong, Terengganu, Brackishwater Aquaculture Research Centre Gelang Patah, Johor and Kelah World Sdn. Bhd. The participants had successfully mastered the basic concept of statistical application in conducting breeding programs towards improvement of selected traits in fish. Modulators and participants are very satisfied with the outcome of this workshop and they suggested an advance course to be conducted, as a continuation to the recent workshop.



Dr. Raul Ponzoni delivering one of his lectures.



Participants listening attentively to Dr. Nguyen's explanation.



Workshop participants giving their full attention during Dr. Raul Ponzoni lecture session.



Workshop participants reading their assignment .



One of the workshop participants presenting his group assignment.



Fish Genetic workshop 2007 participants.

#### **6.4 Seminar on Aquaculture 'Towards Improvement of Life Feed Production in Aquaculture' 2007**

This seminar was held at the Primula Beach Resort on the 24 October 2007 and the workshop was held at Anatomy and Physiology Lab (FASM) and Biodiversity Lab (FMSM) at Universiti Malaysia Terengganu (UMT) on 25 October 2007.

The theme of this seminar was 'Towards Improvement of Life Feed Production in Aquaculture'. This seminar was to enhance culture technique and knowledge sharing in live feed production to sustain the demand of local and international market. The aims of this seminar were to educate and also provide information to the participants for the benefit of their future research and also to reinforce the development of local aquaculture especially in the live feed industry.

Through this seminar participants obtained knowledge on the importance of live feed culture towards the nation's aquaculture sector, latest review and technology in producing high quality live feed, opportunity for local and international researchers to interrelate and establish mutual relationship and to provide hands on training to aquaculturist and researcher on dealing with producing high quality live feed. The speakers were Prof. Dr. Lokman Shamsuddin from Faculty Biotechnology and Life Science, Universiti Industri Selangor, Prof. Dr. Atsushi Hagiwara from Laboratory of Aquaculture Biology, Universiti Nagasaki, Jepun, Dr. Ines Ben Khemis from National Institute of Marine Sciences and Technologies, Tunisia and Dr. Fariduddin Othman from Brackish Water Aquaculture Research Centre, Gelang Patah Johor.

This workshop had successfully attracted 64 participants from local government and non-government agencies also participants from UMT itself. There were many participants from Department of Fisheries Malaysia such as

Brackish Water Aquaculture Research Centre, Gelang Patah Johor; National Prawn Fry Production and Research Centre, Pulau Sayak; Freshwater Fisheries Research Centre, Gelama Lemi; Marine Finfish Production and Research Centre, Tanjung Demong; Department of Fisheries Sabah and Department of Fisheries Sarawak.

There were also participants from private sector such as Kembang Subur SDN. BHD., SQB Aquaculture SDN. BHD., Aquatic Enterprise Co. Maju Ikan SDN. BHD., Eastern Seas SDN. BHD., Sepang Today Aquaculture Centre, West Africa Aquaculture LTD, Terengganu Agrotech Development Corp SDN.BHD. and Underwater World Langkawi. There were also participants from UMT staffs and students, including the students from Master of Science (Aquaculture).

This workshop was very successful due to hard work from organizing committee. All the events planned ran smoothly and AKUATROP had received positive response from the participants. The participation was encouraging, ranging from government and non government sector staff and students from UMT and it is hoped that future seminars and organised workshops would be better and it would assist in developing aquaculture research in UMT and nationwide.