

3.0 Linkages and Collaboration

Since establishment of AKUATROP in 2004, it has actively collaborated and developed linkages with government agencies and private sectors. In the year 2007 AKUATROP has signed two new MOUs with the Department of Fisheries and Koperasi Industri Desa Islam Kelantan (KIDIKB). The details of the MOUs are:

1. Department of Fisheries Malaysia (DOF)

A memorandum of understanding (MOU) between University Malaysia Terengganu and Department of Fisheries Malaysia (DOF) was signed on 2 May 2007. Among the purposes of the MOU are:

- To assist and collaborate in research and development (R & D) of aquaculture in Malaysia.
- To provide training to entrepreneurs
- To provide consultancy services to related departments
- To provide extension services



Prof. Dato' Sulaiman Yassin and Datuk Junaidi Ayob signing the Memorandum of Understanding

2. Koperasi Industri Desa Islam Kelantan (KIDIKB)

University Malaysia Terengganu had established a joint collaboration with Koperasi Industri Desa Islam Kelantan Berhad (KIDIKB) in researches of horseshoe crab for medical benefits. A memorandum of understanding (MOU) was signed on 1 July 2007 at Hotel Sutera Inn, Kota Bharu, Kelantan. The purposes of the MOU are:

- Exchange and sharing of research information pertaining to the related industries and in the related fields generally
- Jointly conduct research and opportunities to provide scientific and technical inputs into the formulation of the integrated aquaculture system for mass production
- Jointly organize meeting or workshop or courses in the related fields beneficial to both parties.
- Jointly organize seminars, conferences, workshops or courses in the related fields beneficial to both parties.
- Exchange of personnel for the purpose of educating and simultaneously for research and development program of horseshoe crab.
- Provide facilities or any other support which is deemed necessary upon mutual agreement by both parties to assist their personnel.



Exchange of documents between Prof Dato' Sulaiman Mohd Yassin and Dato' Illias

Apart from newly signed MOUs, AKUATROP is also pursuing new activities under the ongoing three MOUs.

1. Kembang Subur Sdn. Bhd. (KSSB)

Under this MOU, AKUATROP and KSSB have successfully secured a Techno Fund Project on Golden Pompano research amounting to RM2.155 million. As a result, AKUATROP was awarded three scholarship and each scholarship cost RM72,000.



Exchange of MoU Document (left) and site visit at Kembang Subur Sdn. Bhd. (right)

2. Kelah World Sdn. Bhd. and Bung Hatta University

This MOU is intended to collaborate in research and development (R&D) of aquaculture of River carp (*Tor tambroides*).



Exchange of MoU Document

3. Langkawi Underwater World Sdn. Bhd.

Under this MOU, AKUATROP held an exhibition at Langkawi Underwater World Sdn. Bhd. for the month of December 2007. The exhibition was entitled Marine Fish Parasite Examination. Every weekend two AKUATROP staff went to Langkawi Underwater World Sdn. Bhd. to explain to visitors and tourists on the different parasites which affect fish.



AKUATROP Officers briefing visitors on aquatic parasites



Visitors taking their first look at aquatic parasite specimens

3.1 Working Visit to Hatchery of University Putra Malaysia (UPM)

On the 1st June 2007, Assoc. Prof. Dr. Anuar Hassan accompanied by Dr. Hii Yii Siang, Ms. Wan Zawati Wan Jaafar, Ms. Nurul Hayati and Ms. Noor Zuliana Mohd Noor visited the fresh water hatchery in UPM.

The hatchery was separated by 5 specific blocks. Block A is an open space building functioning as fish feeding area and surrounded by Block B, C, D and E. Fourteen main blue square tanks which were arranged higher than each other is placed in roofed block B. Block C was equipped as a preparation, equipment and multi-purpose lab. Management hall and employee facilities such as office, lecture hall, laundry and recreation room, praying center (surau) and rest room is situated in block D. Block E was the main operation room which hosted generator, control and air blower room, food and equipment storage and chiller room.

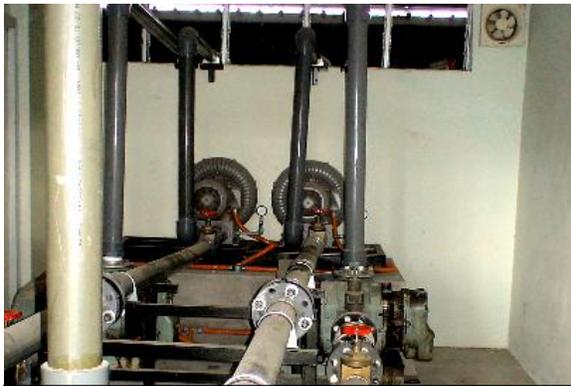


Circular fiber glass tanks in the hatchery



Imported sand filter from Australia

The hatchery is equipped with a tube well system which supplies groundwater for culture of freshwater organism. The tubes were embedded 200 feet underground and were placed next to fish feeding area. This hatchery was built with RM2 million budget. This hatchery has complete facilities and the construction cost was relatively cheaper compared to the cost of normal hatchery construction.



Air blower room



Broodstock tank