



## RECOMMENDATIONS

During the Discussion, the participants presented their recommendations for the collaborative project, which were later adopted:

1. SEAFDEC-ASEAN Member Countries should be cautious in introducing *M. rosenbergii* species in their respective countries;
2. More countries should be encouraged to participate in the collaborative project;
3. A Proposal should be developed by AQD in consultation with the participating countries for external funding; and
4. The foregoing plan of action initiated by the participating countries should be adopted for the collaborative program.

## RESOLUTION

The participants also submitted a Resolution for the SEAFDEC to consider. The following Resolution was adopted during the Discussion.

1. That cooperation between the three countries now involved in the program, Indonesia, Philippines and Thailand be further strengthened through improved communication.
2. That AQD initiate a proposal in consultation with the three countries involved for submission to donor agencies for possible funding.
3. That SEAFDEC AQD encourage the active participation of other member countries.
4. That all SEAFDEC member countries be reminded of the risks of bringing in *Macrobrachium* stock from another country due to possibility of disease transfer and contamination of local genetic resources even if the species is native to most of the SEAFDEC member countries.

## FUTURE PLAN OF ACTION

In support of the output of the Planning Workshop for the Special Five-Year Program (Aquaculture Component): 2006-2010, which was convened by AQD in Bangkok, Thailand from 30 November to 2 December 2005, the activities under the Genetic Improvement of *M. rosenbergii* identified during the Planning Workshop were prioritized further during the Round Table Discussion to form part of the major activities to be carried out in the collaborative project for 2006-2010. Thus, the Proposed Program of Activities for the Collaborative Project on Genetic Improvement and Seed Production of *Macrobrachium* shall include research on:

### *Indonesia*

1. Collection of wild stock from Sulawesi to construct a base population GI Macro II, and another potential populations such as Kalimantan (2006)
2. Evaluation and characterization of GI Macro II, Sulawesi and Kalimantan using molecular marker (2006)
3. Selective breeding program on the synthetic population (2007-2009)

### *Philippines*

1. Continue activities on procurement of good broodstock, performance evaluation, improve hatchery & nursery operations (2006)
2. Domestication and selective breeding (2006-2010)
3. Training/ capacity building (2006-2010)
4. Continue stocking density investigation on 5-10 day old PL post larvae at much higher densities for both species and for other indigenous species (2006)



### Thailand

1. Appropriate selective breeding program to improve growth of *Macrobrachium rosenbergii* in different parts of Thailand
2. Use of allozyme marker to detect genetic variation in *Macrobrachium rosenbergii* together with growth performance in selective breeding program

The genetically characterized strains of *M. rosenbergii* of member countries and the characterized *M. rosenbergii* stocks in Southeast Asia (*population variation in each country: country-to-country requirements, except Thailand and Indonesia*), will also be pursued.

For Human Capacity Building, the following have been proposed for 2006 to 2010:

1. Manual on grow-out of *M. rosenbergii* in ponds and lake based cages
2. Popular publication on genetic improvement of *M. rosenbergii*
3. Manual on protocols for the genetic characterization of *M. rosenbergii*
3. Training for technical persons and extension officers on hatchery and grow-out of *M. rosenbergii*
4. Training for fish farmers at core countries
5. Farm demonstration for recipient countries
6. On-site training for fish farmers of recipient countries
7. Training on genetic characterization of *M. rosenbergii* for research officers

### FIELD TRIP

Arranged by the representatives from Thailand, the Field Trip was conducted on 4 December 2005. The areas visited were: the AAGRDI Center in Petchaburi, the Petchaburi Fisheries Test and Research Center, Private Hatchery of Marine Snail (Maculated Ivory Wheik, *Babylonia areolata*) in Petchaburi, and Private Hatchery and Culture Farm of *M. rosenbergii* in Nakhonpathom and Ratchaburi Provinces.



The participants at the Petchaburi Fisheries Test and Research Center (left and below), with the Head of the Center Mr. Tanan Sanggontanagit (above right) briefing the participants on the activities of the Center





The participants (above) at the Artemia facilities in Petchburi (Artemia is an important natural food for the prawn larvae)



The participants in Petchburi (above) and in a privately-operated Macrobrachium farm (below) in Nakhonpathom Province, Thailand

