

Assistance to develop brackishwater aquaculture in Indonesia

Following the Tsunami in 2005, Akvaplan-niva staff donated 6 months staff time to rehabilitation of aquaculture in the affected areas supported by NORAD. One of the projects in Indonesia was to assist with the improvement of culture technology and methodology for brackish water species. The project took place at the Brackishwater Aquaculture Development Center, Ujung Batee, Banda Aceh, Indonesia.

Technical Assistance

The project work was divided in two parts:

- Practical training course in live feed production
- Demonstration of an improved mesocosm hatchery technology for marine larval rearing

Training

The training program for the staff on live feed production included both theoretical presentations and practical demonstrations and covered:

- Live feed requirements in intensive larval rearing
- Rotifer and *Artemia* enrichment with high DHA level products
- Harvesting and cleaning of rotifer cultures
- Counting techniques for estimating numbers of *Artemia* and rotifers in the cultures and in the larval rearing tank
- Introduction to intensive production of rotifers
- Separation techniques for *Artemia* nauplii and unhatched cysts



Demonstration

The demonstration of the improved mesocosm technology for marine larval rearing was undertaken with setup,

collection of copepod inoculum, introduction to the protocol and measurements of critical environmental parameters. The staff was introduced to use of mesocosm technology to rear larvae on high quality feed (copepod nauplii) in order to obtain high quality juveniles as output in a low-tech system.



Akvaplan-niva competence

Akvaplan-niva undertook the following;

- Adapting modern production technology to local conditions
- Theoretical training
- Practical training
- Demonstration of improved live food production techniques
- Demonstration of semi-intensive fry production systems