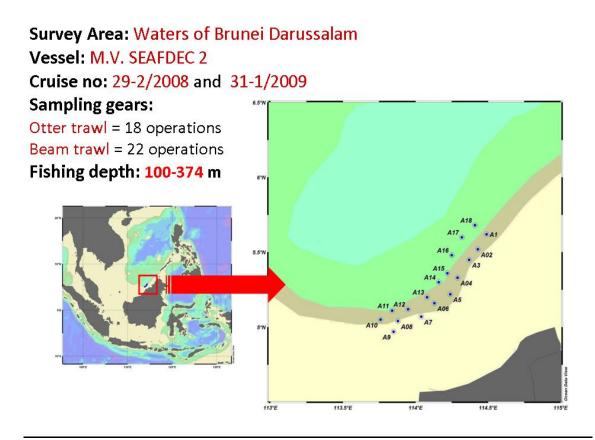
Annex 3/4: Outline of the Laboratory Activities

By Mrs. Penchan Laongmanee Assistant Workshop Coordinator



Specimens using TODAY (19 January)

• Cruise no: 29-2/2008

Preserved in 70% Ethanol

- More than <u>200 fishes</u> were preliminary <u>identified into</u>
 <u>57 families</u>
- Contained in <u>96 bottles</u>
- Cruise no: 29-2/2008
- Sampling gears: Otter trawl = 9 operations Beam trawl = 11 operations
- Fishing depth: 100-374 m



(continued)

Specimens using on 20-21 January

• Cruise no: 31-1/2009

Frozen specimens

- Frozen specimens in plastic wrap
- Unidentified
- Sampling gears:
 Otter trawl = 9 operations
 Beam trawl = 11 operations
- Fishing depth: 100-350 m



Activities Today

• 19 January (Tuesday)

Practice on fish identification using preserved specimens

- Working in pair
- Select the family and identify to the lowest taxa
- Share the results
- All activities supervised by resource persons

Activities Today

20 January (Wednesday)

- Practice on fish identification using frozen specimens
- Select the specimens and identify to the lowest taxa
- Share the results
- All activities supervised by resource persons

Step of making fish specimens

- 1. Field work (Fishing, ...)
- 2. (Defrosting if freezing, in the water for 2-3 hour depend on room temp and fish size)
- 3. Assigning tag to specimen .
- 4. (Taking tissue sample)
- 5. (Photography)
- 6. Tagging
- 7. Fixation

Identification

As fast as possible to avoid fish decompose (continued)

Today's step of work

- Consider that most of participants are in the field work that may not able to bring fish back to lab.
- Have to identify fresh specimen.
- Sample from 1 fishing operation/group in plastic wrap (already defrost)

Today's step of work

- 1. Take one specimen , the remain fish still in ice box (to avoid fish decompose)
- 2. (Cleaning mucosal fin membrane scale)
- 3. Assign tag specimen (Dr. Natinee)
- 4. Pre-fixation for photography: rising fins (open air), NOT TO DRY UP FISH
- 5. Identify to family (wait for fin completely rising and photography queue)
- 6. Photography (1 photo with tag)
- 7. Identify to lowest taxa, record necessary information in the measurement form, label fish name in tag, NOT TO DRY UP FISH
- 8. Fixation (in plastic bag with tag ,10% formalin)
- 9. Next specimen...

Tag

- Specimen ID
- Ship name
- Fishing method (Otter trawl, beam trawl)
- Locality (Lat, Long, depth)
- Date
- Fish name