SPECIAL WORKSHOP VIII
GENDER ANALYSIS THROUGH MICRO AND SMALL AQUACULTURE OPERATION (MISAO) BEST AQUACULTURE PRACTICES (M-BAP)

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Today Objective

To identify best elements for MiSAO from 10-established BAP standards
Questionnaire Development for Gender Analyses

- MeLAO/ MiSAO established BAP at international and national levels
- MiSAO BAP (M-BAP) – list of activities
- Gender Analyses 'who does what'

**MiSAO**
- Poor
- Family bases
- Less training
- Micro or small production
- High women involvements

**BAP**

**Processing Levels**
- Input
- Throughputs
- Output
- All level

**M-BAP**
FRAMEWORK

- To help MiSAO to scale up to MeLAO
- this workshop is on identifying the ‘elements’ on M-BAP (MiSAO Best Aquaculture Practices)
- 10-BAP used
Established BAP Standards for MeLAO at International and National Levels
What Do BAP Standards Cover?

**Environmental Responsibility**
Compliance with standards that address such issues as habitat conservation, water quality and effluents.

**Animal Health and Welfare**
Best practices in animal husbandry, addressing such issues as disease control.

**Food Safety**
Assurance that no banned antibiotics or other chemicals are used and that all approved chemical treatments are carried out in a responsible fashion.

**Social Responsibility**
Adherence to local laws for worker safety, child labor and community rights.

**Traceability:** Supply chain traceability from the source to the marketplace is mandated by the BAP program.

The **five (5) main evaluation and compliance** criteria to the standard can be simplified as the following aspects:

1. **Food Security**
2. **Fish Health Requirement**
3. **Occupational Safety and Health**
4. **Environmental Sustainability**
5. **Animal Welfare**

All the five (5) auditing aspects are been detailed out into 18 items that has to be complied by the Aquaculture Operator to obtain the certificate under this program are as follows:

1. Site Selection
2. Waste Water Control
3. Farm Construction
4. The Nature and Cleanliness of Touched Surfaces
5. Design of Pond / Cage
6. Occupational Health
7. Water Management
8. Farm Sanitary Practice
9. Pond Fertilizing
10. Social and Welfare of Workers
11. Pest and Predators Control
12. Farm Produce Harvesting and Handling
13. Raw Material Supply (Additives, Fish Fries)
14. Labeling, Storage and Usage of Hazardous Compound
15. Health Management of Livestock
16. Farm Record Keeping
17. Farm Biosecurity Control
18. Halal
The GLOBALG.A.P. Aquaculture Standard

- The GLOBALG.A.P. Aquaculture standard sets criteria for:
  1. Legal compliance,
  2. Food safety,
  3. Worker occupational health and safety,
  4. Animal welfare, and
  5. Environmental and ecological care.
ASEAN Good Aquaculture Practices (ASEAN GAqP) for Food Fish

1. Food Safety
2. Animal Health and Welfare
3. Environmental Integrity
4. Socio-economic Aspects
The ASC Standards cover the following seven principles:
1. Legal compliance
2. Preservation of the natural environment and biodiversity
3. Preservation of water resources
4. Preservation of diversity of species and wild populations
5. Responsible use of animal feed and other resources
6. Animal health
7. Social responsibility
Established BAP at National Level which may associate to MiSAO
Good Aquaculture Practices for Freshwater Animal consists of **eight key elements:**

1. Safety of water used
2. Site safety and sanitation
3. Use of agrochemicals
4. Product storage
5. Data records
6. Pest-free products
7. Quality management
8. Harvesting and post harvesting handling
The INDGAP for ‘All Farm Base Module (AF)’ indicates **eight elements** :-

1. Record Keeping and Internal Self-Assessment or Internal Inspection,
2. Site History and Site Management,
3. Workers Health, Safety and Welfare,
4. Waste and Pollution Management, Recycling and Reuse,
5. Environment and Conservation,
6. Complaints,
7. Traceability and
8. Visitors Safety.
The ChinaGAP focuses on **five sustainability issues** as follows:

1. Environment,
2. Social,
3. Economic,
4. Quality and
5. Ethics and business identity.
**Indonesia Good Aquaculture Practices (IndoGAP)**

**PRINCIPLES in IndoGAP (3)**

1. Biosecurity
2. Food safety
3. Environmental Friendly

**IndoGAP Criteria (18)**

1. Location
2. Water Supply
3. Layout And Design
4. Hygiene Of Facilities and Equipment
5. Pond Preparation
6. Water Management
7. Seed
8. Fish Feed
9. Fish Drugs, Chemicals & Dangerous Substance
10. Use Of Ice And Water
11. Harvest
12. Fish Handling
13. Transportation
14. Waste Disposal
15. Record Keeping
16. Corrective Action
17. Training
18. Personnel Hygiene
The PNS on Code of GAqP also covers the following aspects of aquaculture production:

i. Food safety,

ii. Animal Health and Welfare,

iii. Environmental integrity, and

iv. Socio Economic
Today Workshop

• Be in small group (max 4 groups)
• Appoint a leader
• Discuss on the 10-BAP summaries (20 minutes)
  ✓ Compare the 10 BAP
  ✓ Identify common elements
  ✓ Discuss the best elements for MiSAO and WHY?
  ✓ Re-conceptualized the elements to suit to MiSAO
• Present 5 minutes x 4 groups = 20 minutes
TERIMA KASIH / THANK YOU
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