

GAP *and* **SHRIMP FARMING** **CERTIFICATION in INDONESIA**



DIRECTORATE GENERAL OF AQUACULTURE
MINISTRY OF MARINE AFFAIRS AND FISHERIES
INDONESIA

BACKGROUND :

- **Higher requirement of the quality of fish products by importing countries or global market;**
- **Food safety & quality assurance need implementation of GAP & certification.**
- **Shrimp farming certification in Indonesia is started since the year 2004;**

OBJECTIVE :

Guarantee on food safety and traceability of fish and fishery products



BRIEF DATA on SHRIMP FARMING in INDONESIA

☞ Total Area of Pond	:	430,000 Ha (2006)
☞ Shrimp Culture Pond	:	± 200,000 ha
- Intensive	:	± 20,000 ha
- Semi-intensive	:	± 30,000 ha
- Extensive	:	± 150,000 ha
☞ Households (total)	:	233,000 units
☞ Company	:	> 300 units
☞ Shrimp Production	:	
- 2005	:	280,000 tons
- 2006	:	327,000 tons
☞ Shrimp Prod. Target	:	420,000 tons (2007)



REGULATION on QUALITY ASSURANCE

- 1. Regulation of Minister MAF No. PER.01/MEN/2007 concerning The Control of Quality Assurance and Food Safety System of Fishery Products;**
- 2. Regulation of Minister MAF No. PER.02/MEN/2007 concerning Monitoring of Drug Residues, Chemicals, Biological Substances and Contaminant in Aquaculture;**
- 3. Decree of Minister MAF No. KEP.02/MEN/2007 concerning to Good Aquaculture Practices (GAP)**



Follow-ups :

- 1. Decree of DGA No. 116/DPB/HK.150.D4/I/2007 Concerning Guidance of Execution, Monitoring of drug residues, chemicals, Biological and or contaminants on fish culture;**
- 2. Decree of DGA No. 01/DPB.0/HK.150.154/S4/II/2007 concerning Guidance and Form of Certification for GAP --→ Before all Decree of DGA No. 3818/DPB.3/PB.320.D3/IX/2004 concerning Execution for Certification of Base Feasibility on Shrimp Farming (not mandatory)**

GUIDANCE AND CHECKLIST
for
SHRIMP FARMING CERTIFICATION

LEGALS

- Decree of Minister MAF NO. 02/MEN/2007, concerning GAP, Chapter VII. OPERATION,
 - (3) Certificate given to fish farming that apply GAP
 - (4) Certificate of Director General after assessment
 - (5) Arranging way & Team Assessor arranged by DGA
- Decree of DGA No. 01/DPB.0/HK.150.154/S4/II/2007 concerning Guidance and Checklist of GAP Certification
- Decree of DGA No. 02/DPB.0/D4.150/II/2007 concerning GAP Certification Assessment Team

ASSESSMENT SCOPE

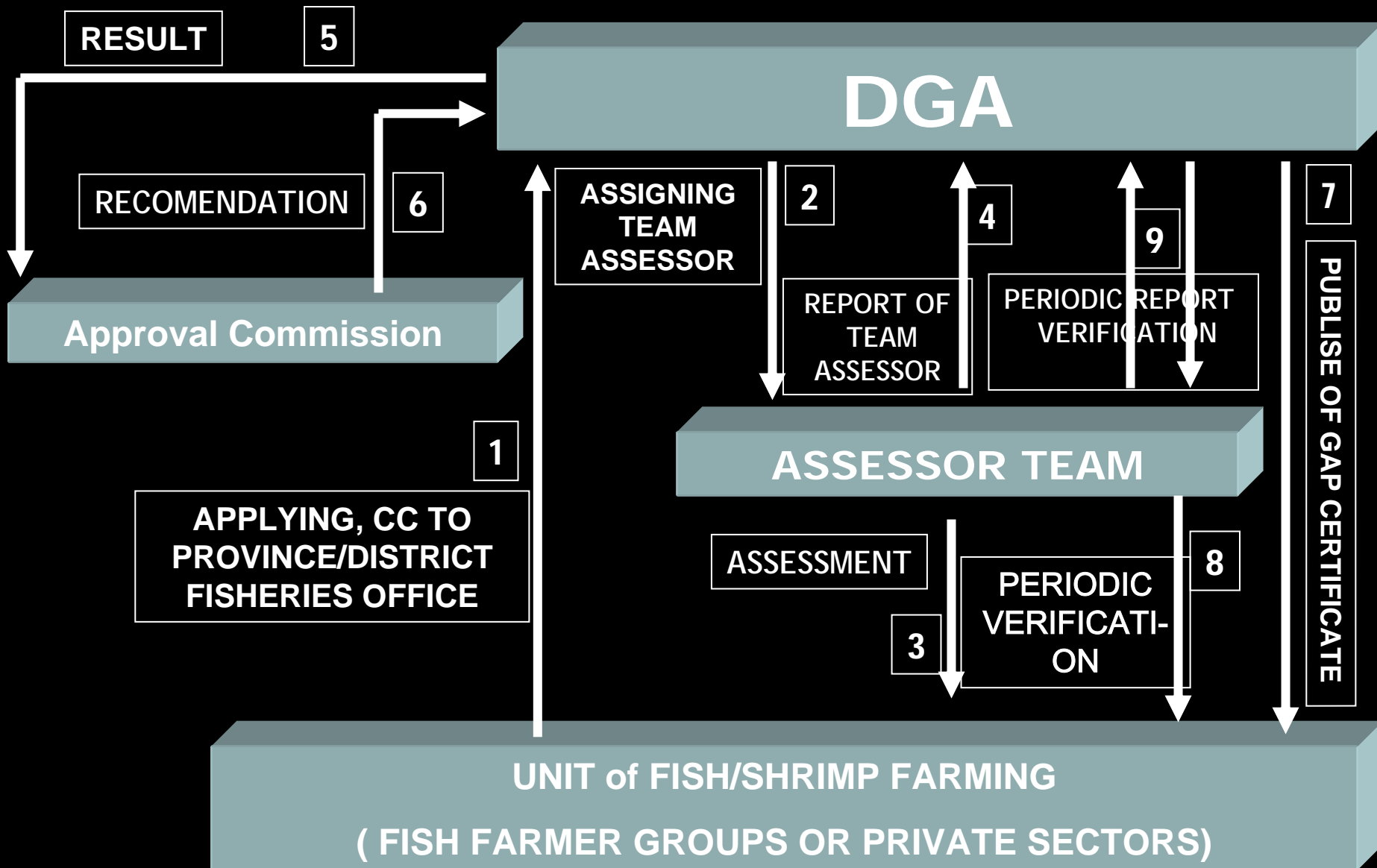
Assessment is done to accomplish of clauses of food :

- Prevention for contaminate in each step of production
- Accomplishment of clauses of sanitation;
- Availability, equipment and recent of record-keeping
- Training to fish farmer

ASSESSOR CONDITIONS

- Have certificate
- Owning ability of skill & relevant technological
- Knowing & comprehending clauses of GAP
- Have ability communicate the goodness
- Having the character of independent

PROCEDURES of GAP CERTIFICATION



CLAUSES OF APPLICANT

- **Copy of Business Permit**
- **General Data of fish farming**
- **List of Facilities**
- **Record keeping**
- **Employees number and educational background in fish farming**

ASSESSMENT

- 👉 **Antecedent assessment, on 7 days assessment team checking document (max 15 days)**
- 👉 **Complete → Assessment of field**
- 👉 **Not complete → Have to be completed**

FIELD ASSESSMENT

Aim :

To know appropriation of fish farming in applying of GAP.

Unequal Determination :

Based on influence of product to food safety.

Expressed :

Unequal minor, major, serious, critical.

ASSESSMENT OF GAP

No	Qualification	Equal	Un-equal				Note
			Mn	My	Sr	Cr	
1.	Location						
2	LAYOUT						
3	Higiene of facility and equipments.						
4	POND PREPARATION						
5	WATER MANAGEMENT						
6	USAGE OF SEED						
7	USAGE OF FEED						
8	HARVESTING						
9	HANDLING PRODUCT						
10	USAGE OF ICE						

ASSESSMENT OF GAP

No	Qualification	Equal	Un-equal				Note
			Mn	My	Sr	Cr	
11	USE OF CHEMICALS, BIOLOGICAL AND FISH DRUGS						
12	WASTE DISPOSAL						
13	REPAIRING ACTION						
14	RECORDING						
15	TRAINING						
16	PERSONAL CLEANING						
	Total						

PASSING GRADE

Level	Un-equal			
	Minor	Major	Serious	Critical
I (Very Good)	0 - 6	0 – 5	0	0
II (Good)	≥ 7	6 – 10	1 - 2	0
III (Fair)	NA*	≥ 11	3 – 4	0
IV (Failed)	NA*	NA*	≥ 5	≥ 1

- NA = Not Applicable
- Note : Fish Farming level II, Major + Serious No More than 10
- If there [is] Major & Serious combination > 10, hence fish farming, go to Level III

Certificate

- **Certification of GAP is published by DGA**
- **Time period of certificate :**
 - a. Level I : 3 years**
 - b. Level II : 2 years**
 - c. level III : 1 Year**
 - d. Level IV :**
 - No certificate**
 - Not recommended for export**
 - Guidance**

Certified so far

- Shrimp and fish hatcheries:
 - (15 out of 30 applicants)
- Shrimp farms:
 - (23 out of 33 applicants)

PROBLEMS

- ➡ Small scale fish farming;
- ➡ Weakness on record keeping;
- ➡ There is no incentive for certified fish farming;
- ➡ Not all input production, i.e. feed, pro-biotic, pesticide registered at DGA;
- ➡ Lack of knowledge on GAP implementation;
- ➡ Lack of awareness on food safety and quality assurance;
- ➡ No independent institution available in Indonesia for fish farming certification;