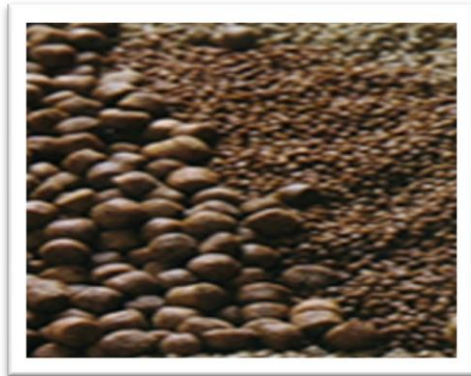




Aquaculture Certification in Indonesia



Presented by:
CHAERY NOVARI
Directorate General of Aquaculture, MMAF

Workshop on Aquaculture Certification,
HCM City, 26 June 2013

* **Out lines**

**Implementation of IndoGAP
Standard and Certification**



**Harmonization of National Standard with
Regional and International Standards**



**Fish Feed
Registration**





Implementation of IndoGAP Standard and Certification



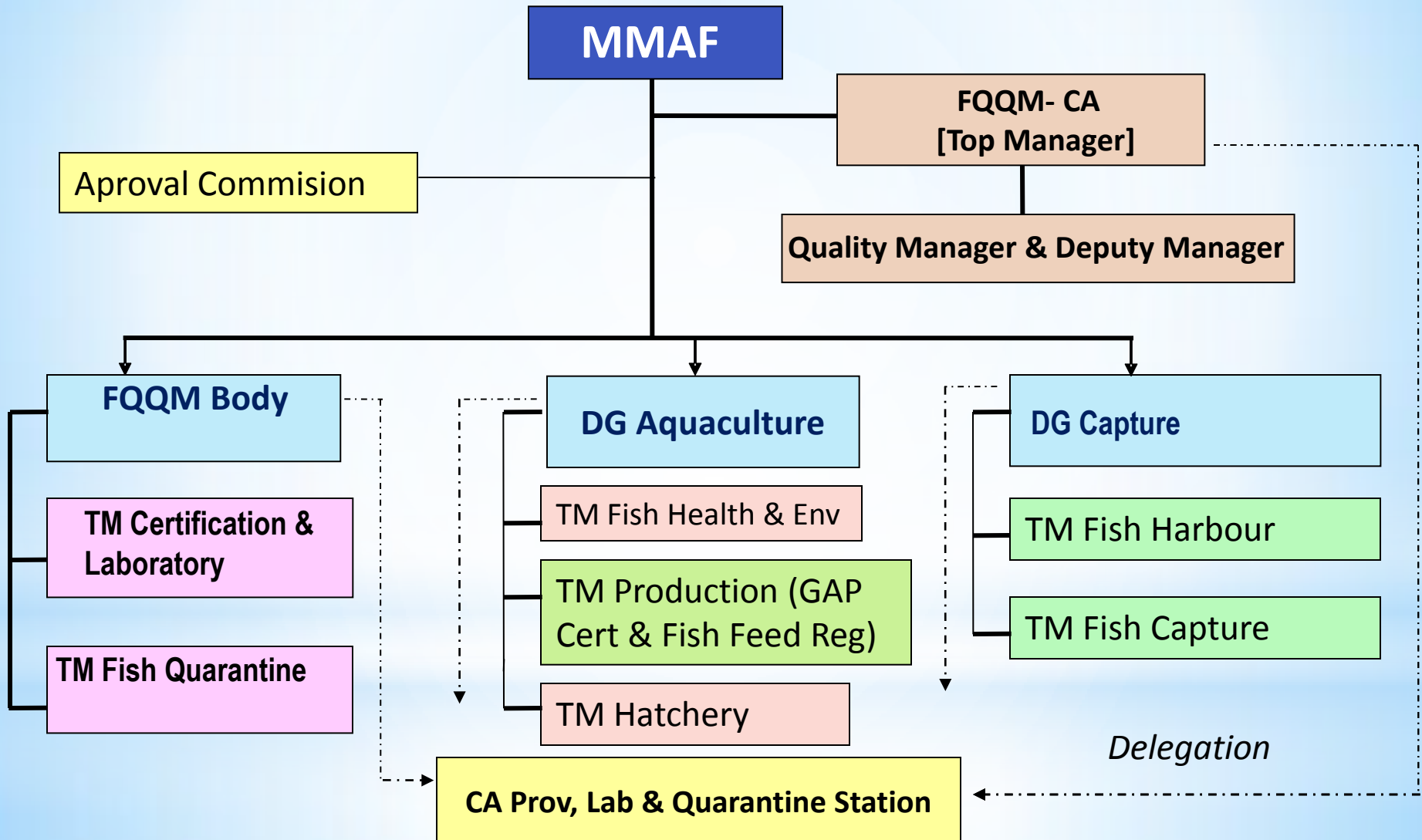
GAP CERTIFICATION in INDONESIA

- 1. GlobalGAP**
- 2. Aquaculture Stewardship Council – Shrimp
Aquaculture Dialogue (ASC- ShAD)**
- 3. Aquaculture Certification Council (ACC)**
- 4. Naturland (Organic Shrimp)**
- 5. IndoGAP (CBIB) → Official Control**

Legal Base for IndoGAP Certification

1. **Regulation of MMAF No. PER/19/MEN/2010** regarding **Quality Assurance System and Food Safety on Fishery Product.**
2. **Decree of MMAF No. KEP. 02/MEN/2007** regarding **Good Aquaculture Practices.**
3. **Decree of the Director General of Aquaculture No: KEP 141/DJ-PB/2012** regarding **Guidelines of Good Aquaculture Practices Certification.**

Competen Authority for Quality Assurance and Food Safety System of Fishery Product



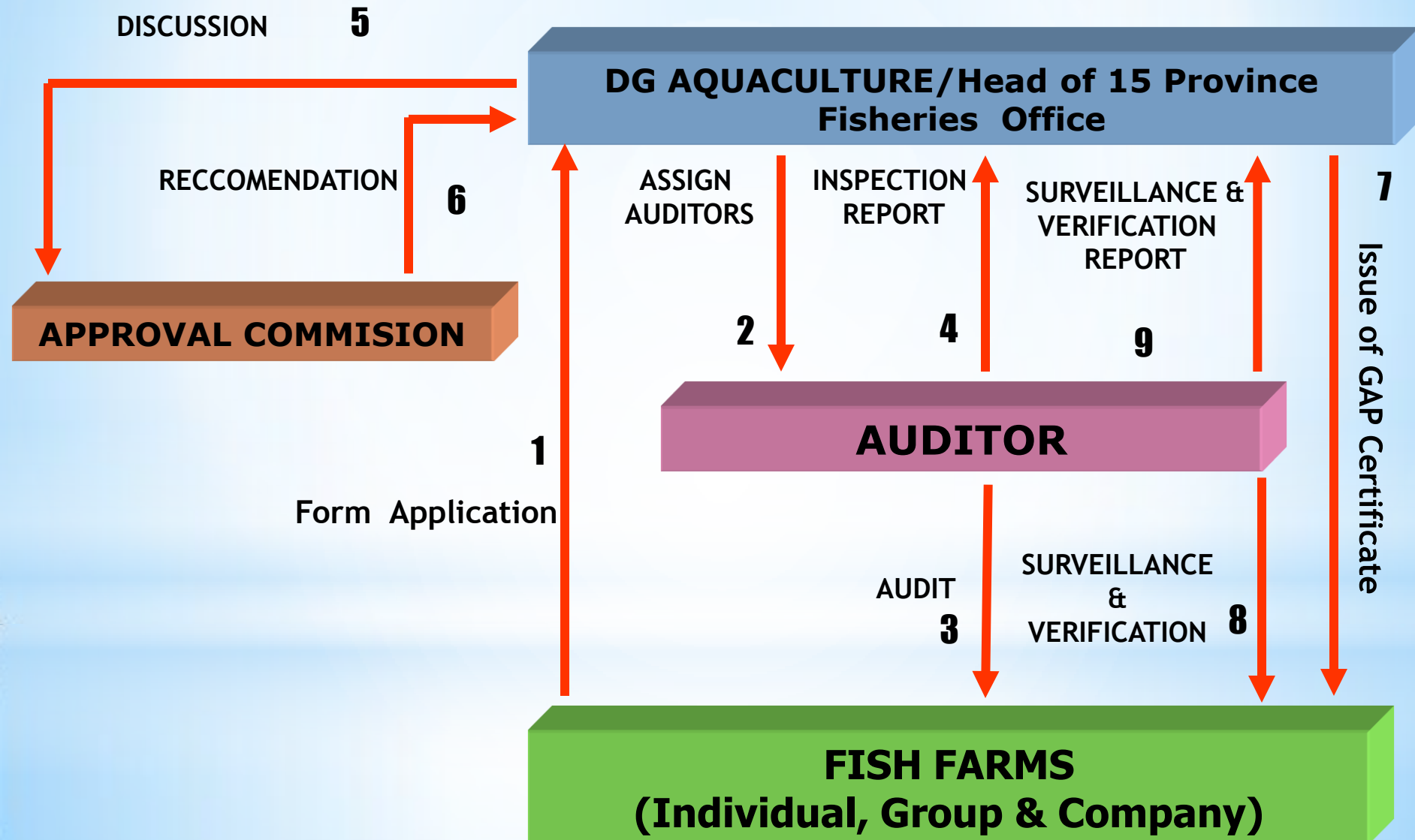
PRINCIPLES in IndoGAP

- ❑ ***Biosecurity***: practices to minimize the disease risk contaminating facilities and to prevent spreading from one zone to another (free-zone)
- ❑ ***Food safety***: prevent contamination of biological, chemical or physical substances which are harmful for human health, from air, soil, water, seed, feed, fertilizer, and other source, in all process (pre-production, production, harvesting, handling and transportation/distribution)
- ❑ ***Environmental Friendly***: minimize the impact of development and operation of aquaculture farm to the environment

IndoGAP criteria

- 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**

GAP CERTIFICATION PROCEDURE



APPLICATION OF GAP CERTIFICATE

Fish farm submits the application for GAP Certification to the Director General, accompanied with the following documents:

- Copy of Fishery Business License for Company with legal entity or Registration Letter of Fish Farming or Statement for fish farmer/group of fish farmers;
- General Information on Fish Farm;
- List of Fish Farm Facilities;
- List of fish farm SOP and document/record;
- List of Fish Farm Labor;
- Standard Operational Procedures (SOP) of Fish Farm;
- Structure of Organization and job description;
- Layout of fish farm.

Certificate Issuance

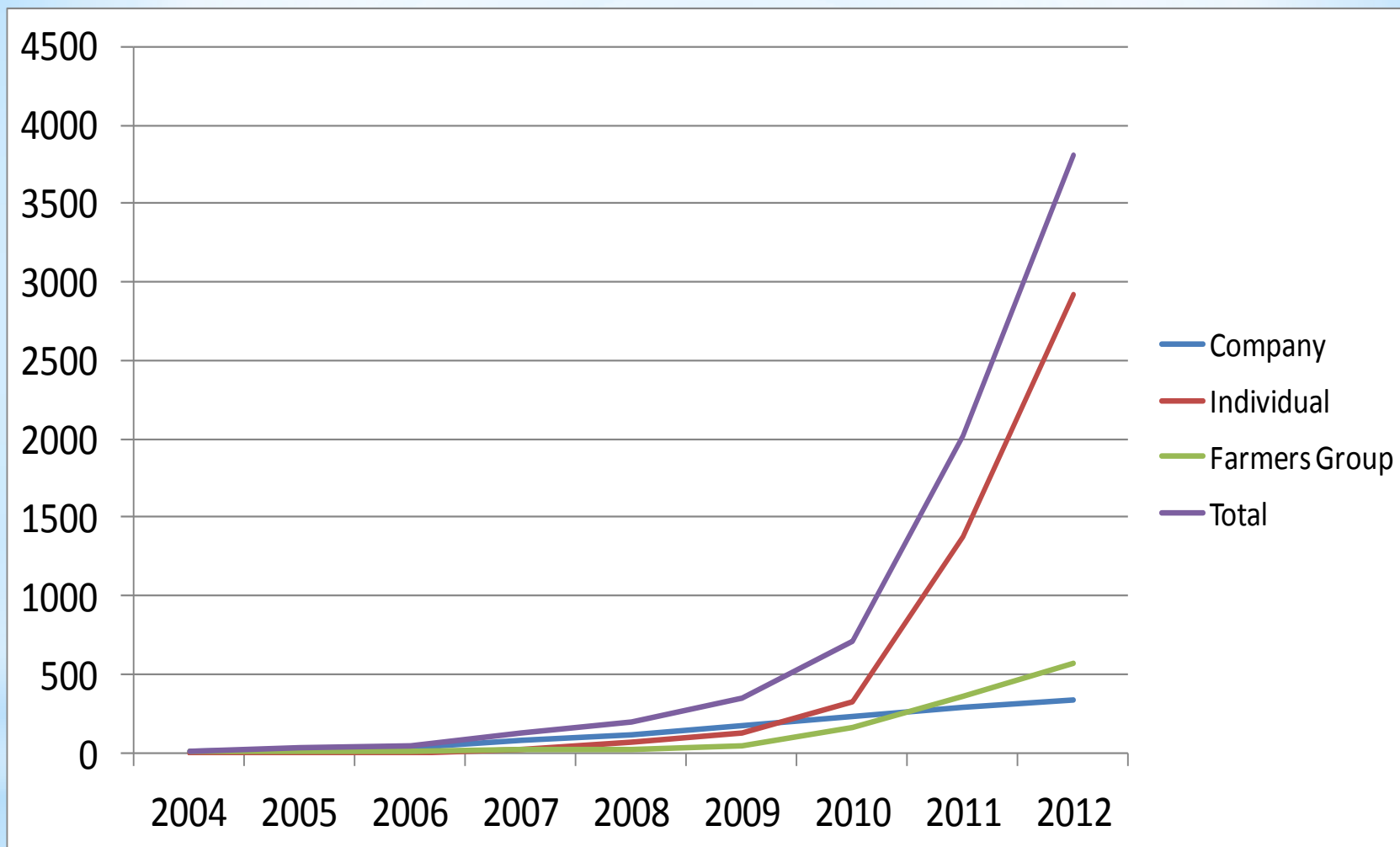
- * **Certification of GAP is published by DGA**
- * **Time period of certificate :**
 - a. **Level I : 4 years**
 - b. **Level II : 3 years**
 - c. **level III : 2 Year**
 - d. **Level IV :**
 - **No certificate**
 - **Not recommended for export**
 - **Guiding assistance**

SURVEILLANCE and VERIFICATION

1. Surveillance is conducted at least once per year by Surveillance Team – DGA/Provincial Fisheries Agency
2. Verification is conducted at least a month before the date of certificate expiration
 - * GAP certificate extension, when the fish farm consistent in GAP implementation
 - * GAP Certificate withdrawal, when the fish farm was not consistent in GAP implementation

GAP Certified Fish Farms

No	Type of Farm	2004-2007	2008	2009	2010	2011	2012	Total
1	Individual	18	24	40	143	992	1,323	2,540
2	Farmer Groups	10	-	13	88	163	179	453
3	Company	58	14	37	25	35	34	203
	Total	86	38	90	256	1,190	1,536	3,196



GAP Certified Fish Farms (unit)

GAP Certified Fish Farms by Commodity

No	Commodity	2004-2007	2008	2009	2010	2011	2012	Total
1	Shrimp	86	38	70	94	272	320	880
2	Tilapia	-	-	17	67	288	335	707
3	Grouper	-	-	-	11	17	43	71
4	Seabass	-	-	1	2	-	2	5
5	Seaweed	-	-	-	3	51	183	237
6	Catfish	-	-	2	45	362	351	760
7	Milkfish	-	-	-	1	47	83	131
8	Carp	-	-	-	7	71	122	200
9	Gourame	-	-	-	23	51	60	134
10	Macrobrachium	-	-	-	2	12	16	30
11	Others	0	0	0	1	20	20	41
	Total	86	38	90	256	1,191	1,535	3,196



Harmonization of National Standard with Regional and International Standards



Indo-GAP vs FAO/ASEAN Standard

No	Minimum Criteria	Percentage*)
1	Food Safety and Quality	100
2	Animal Health and Welfare	60
3	Environmental Integrity	60
4	Socio-economic Aspects	40

*) *Estimated*

National Standards Harmonization Process

The national standard harmonization began right after the endorsement of FAO GAqC by COFI Meeting, Feb 2011 and ASEAN Shrimp GAP Standard BY SOM-AMAF Meeting in Jakarta, Oct 2011 :

- * 1st meeting by DGA in Jakarta, March 2011 → 1st draft
- * 2nd discussion with experts & businesses (Shrimp Club Indonesia) in Bali, May 2011 → 2nd draft
- * 3rd Socialization & feedback from GAP personals in Bali, June 2011 → 3rd draft
- * 4th Workshop involving stakeholders: experts, producers, consumers, NGO, Gov, in Bogor, April 2012 → 4th draft
- * Current progress: draft finalization to be legalized as Minister MAF Regulation

Criteria and Minimum Requirement

GAP Harmonization (IndoGAP2) consists of four criteria, including:

1. Food safety and quality
2. Fish health and welfare
3. Environment sustainability
4. Socio-economic

(all aligned with FAO GAqC & ASEAN Shrimp GAP Standard)

PLAN of ACTION

For Implementation of IndoGAP2

Implementation preparation agenda:

- Operational Guideline : Aug 2013
- Audit Checklist : Oct 2013
- Socialization : March-June 2014
- Implementation on Farm : March 2014 forward
- Audit Training : July 2014
- Launching of Certification : 2015

Fish Feed Registration



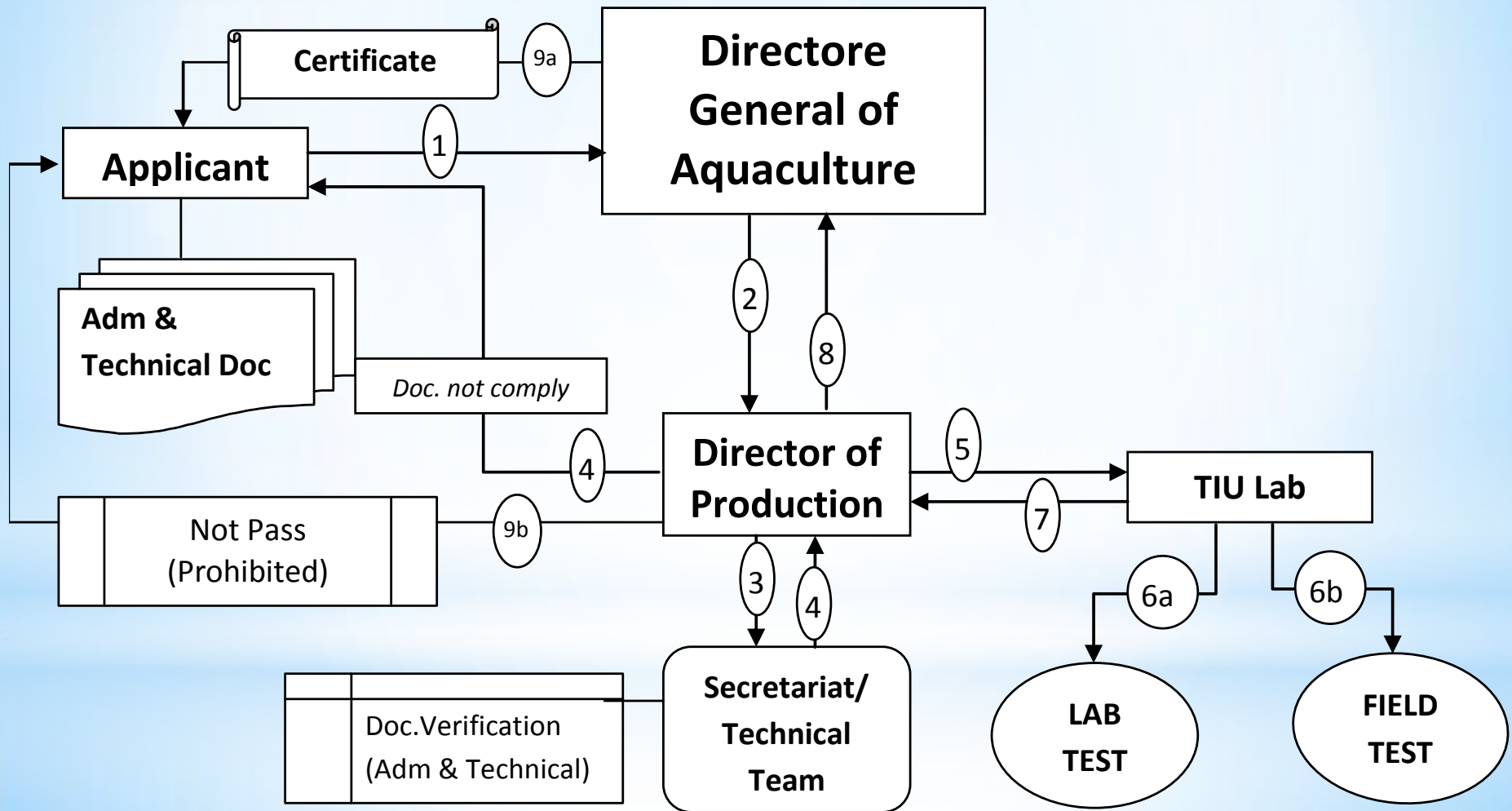
Legal Base

On Fish Feed Registration

Regulation of the Minister of Marine Affairs and Fisheries No. 02/MEN/2010 regarding Procurement and Distribution of Fish Feed :

- 1) Anyone producing fish feed in the territory of the Republic of Indonesia, is obliged to register to the Directorate General.
- 2) Registration obligations referred to in paragraph (1) is exempted for fish feed which are not circulated.

Procedure of Fish Feed Registration



Registration Application Requirements

ADMINISTRATIVE REQUIREMENTS

Application of fish feed registration to the Director General of Aquaculture consists of following documents:

- 1) Recommendation from the Provincial Fisheries Service;
- 2) Copy of ID of the PIC;
- 3) Copy of Company Establishment Act;
- 4) Copy of Trade Business License;
- 5) Copy of Taxpayer Identification Number (TIN);

Registration Application Requirements

(continued)

Imported fish feed registration documents:

- 1) Copy of Importer Identification Number;
- 2) Certificate/publication from the country of origin CA stating that the fish feed has been and is still trading in the country of origin;
- 3) Certificate of analysis from competent institution (government /private) in the country of origin;
- 4) Appointment letter from manufacturer to importer and / or distributor; exception for R& D purposes;
- 5) Statement from the government / independent agencies abroad stating that the fish feed have a positive impact on growth or enhance optimal fish growth and not harmful to human health and the environment;

TECHNICAL REQUIREMENTS

- 1) Trade name or brand of feed, type of feed, feed code, the designation of fish feed and feed nutrients and percentage (Form A);
- 2) Materials, and volume of packaging (Form A);
- 3) Types of feed ingredients and the percentage in the feed formula used (Form B);
- 4) Complementary mix of feed (feed-supplement) and feed additives (feed-additive) were used (Form B);
- 5) Certificate of the materials used to produce feed which is not contaminated by substances that may be harmful to human health, fish and the environment;
- 6) The feed label (sample or proposed draft);
- 7) Certificate of Analysis from government agencies / private sector competent in the country of origin, which include: proximate analysis, heavy metals (Pb, Hg, Cd), antibiotics (chloramphenicol, nitrofurantoin, oxytetracycline) and melamine;

Application Process

Procedure of Fish Feed Registration

- 1) Domestic feed producers, importers and manufacturers or distributors appointed Foreign Affairs to apply for the feed to the Director General to submit application;
- 2) DGA check the completeness of the registration requirements and decide whether to approve, suspend, or reject the application (within 15 working days);
- 3) Approved application is completed requirements and match the regulation;
- 4) Suspended application is incomplete requirement or invalid documents

Testing & Appraisal

Testing:

- Includes laboratory testing or field testing.
Laboratory testing and field testing are applied to the fish feed which has no SNI, while..
Laboratory testing for fish feed which standardized in SNI
- Feed quality testing is conducted by accredited Laboratory of Government /private; consists of proximate, heavy metals (Pb, Hg, Cd), antibiotics (chloramphenicol, nitrofurantoin, oxytetracycline) and melamine;

Field Testing:

- Fish feed which match the criteria of lab tests, then tested on farm (field test)
when fish feed SNI is absent or the feed quality is under the criteria in SNI);
- Field testing conducted by designated TIUs-DGA;
- Location of field test can be done in UPT or other location appropriate with the specification;
- Field testing parameters include SR, GR and FCR.

Appraisal:

- Appraisal on lab test results is carried out by comparing the results against the requirements of fish feed in Indonesia National Standard (SNI).
- Appraisal on field tests is carried out by comparing the results against criteria SNI fish production process.
- If the tested fish feed SNI has not been established, analysis of test results based on scientific references and expert opinion.

Certificate Issuance & Renewal

Issuance of Certificate:

- Feed that meets the quality and safety criteria, pass the Directorate General of Aquaculture requirements. Fish feed registration certificate is given with the **registration number for each type and brand**;
- The feed registration nomenclature number includes the type of feed, registration serial number, month, year, location of factories/ importers.
- Fish Feed Registration Certificate issued not later than 5 (five) working days after acceptance of the appraisal results.

Fish Feed Registration Certificate includes:

- a. The registration number of fish feed
- b. Name of fish feed
- c. Fish feed brands
- d. Types of fish feed
- e. Name and address of company
- f. Business License Number
- g. Nutritional content: Protein (%), Fat (%), Water (%)
Crude fiber (%), Ash (%)
- h. Fish Feed of SNI number (if any);
- i. Fish Feed Certificate validity period.

- » Fish Feed Registration Certificate valid for a period of 5 (five) years;
- » Certificate of Registration of Fish Feed ends due to:
 - The period of validity expired and was not renewed.
 - At the request of the holder of the certificate
 - Revoked

Renewal of Certificates:

- Application submitted by the certificate holder no later than 3 (three) months before the date of expiration;
- Test for renewal application is laboratory testing only

Revocation of Certificate

Certificate revocation is conducted by the Directore General of Aquaculture assigned to the certificate holder and announced to public;

Consideration of certificate revocation:

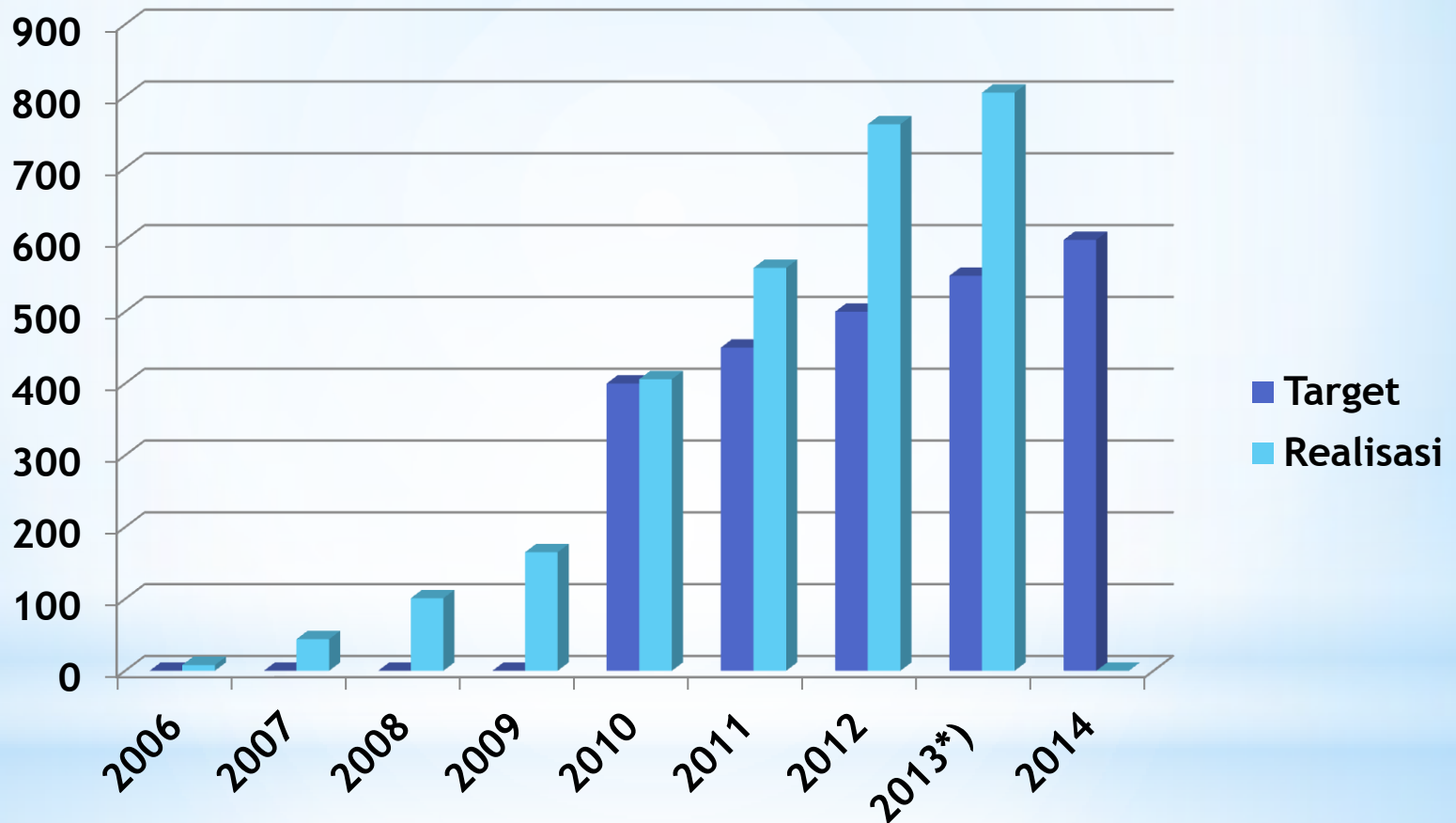
- The certificate holder's offense (registration number is expired or used to the other feed,);
- Feed does not conform to quality;
- The certificate holder does not submit the progress report of fish feed production and distribution in accordance with the provisions.

Registered Fish Feed, 2006-2012

No	Type of Feed	2006	2007	2008	2009	2010	2011	2012	2013*)	Total
1	Vannamei Shrimp	0	1	22	20	115	16	42	2	217
2	Black Tiger Shrimp	0	0	2	0	20	7	8	0	37
3	Anguila	0	0	3	0	0	0	0	0	3
4	Carp	5	0	6	8	13	3	29	0	64
5	Tilapia	0	0	5	3	2	11	16	4	41
6	Catfish	2	5	9	7	14	20	33	9	99
7	Gouramy	0	3	3	2	0	1	5	1	15
8	Silver Pompano	0	0	0	0	9	0	0	0	9
9	Milkfish	0	0	5	0	2	7	12	0	26
10	Grouper	0	0	0	0	0	12	7	16	36
11	Seabass	0	0	0	0	0	9	8	0	17
12	Ornamental Fish	0	22	0	22	52	18	29	10	168
13	Fish Seed	0	2	0	1	0	21	0	1	11
14	Lobster	0	0	0	0	0	0	8	0	8
15	Others	1	3	2	1	14	30	3	1	54
	TOTAL	8	36	57	64	241	155	200	44	805

*) up to May2013

Progress of Fish Feed Registered



*) up to May, 2013



Thank You

