



QUALITY ASSURANCE OF FOOD OF ANIMAL ORIGIN

DIRECTOR OF VETERINARY PUBLIC HEALTH

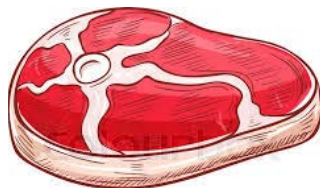
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**DIRECTORATE OF VETERINARY PUBLIC HEALTH
DIRECTORATE GENERAL OF LIVESTOCK AND ANIMAL HEALTH SERVICES
MINISTRY OF AGRICULTURE, REPUBLIC OF INDONESIA**

Background

- World population projected to reach 9.8 billion in 2050 (UN, 2017)
- Meat consumption is projected to increase almost 73 percent and dairy consumption is predicted to grow 58 percent (FAO, 2011)
- **Food safety issues** : foodborne disease and chemical contaminants.
- The economic loss of food poisoning outbreaks in Indonesia in 2013 was approximately US\$ 78 million (Rahayu *et all.* 2016)
- **Foodborne disease issues**: food hygiene, antimicrobial resistance, and zoonosis and the environmental.





The burden of **foodborne diseases** is substantial

WHO ESTIMATES OF
THE GLOBAL BURDEN
OF **FOODBORNE DISEASES**

Every year foodborne diseases cause:

almost
in 10
people to fall ill

33 million
healthy life years lost

Foodborne diseases can be deadly, especially in children <5


420 000
deaths



Children account for
1/3
of deaths from
foodborne diseases

WHO (2015)



Foodborne diseases in the WHO South-East Asia Region

Every year



Diarrhoeal diseases are responsible for majority of deaths. Key causes:



Norovirus



Non-typhoidal *Salmonella*



Pathogenic *E. coli*



Region has

>1/2 the people

globally who are infected and die from

typhoid fever or hepatitis A

Legal Basis

1. Law No. 18 of 2012 concerning Foods
2. Law No. 18 of 2009 jo Law No. 41 of 2014 concerning Animal Husbandry and Animal Health
3. Law No. 16 of 1992 concerning Animal, Fish and Plant Quarantines
4. Law No. 8 of 1999 concerning Consumer Protection
5. Government Regulation No. 95 of 2012 concerning Veterinary Public Health and Animal Welfare
6. Government Regulation No. 82/2000 concerning Animal Quarantine
7. Regulation of Minister of Agriculture No. 381 of 2005 concerning Guideline of Certification of Veterinary Control on Business Unit of Food of Animal Origin
8. Regulation of Minister of Agriculture No. 14 of 2017 concerning Classification of Veterinary Drug

CERTIFICATION of VETERINARY CONTROL (NKV)

Regulation of Minister of Agriculture No. 381 of 2005 concerning Guideline of Certification of Veterinary Control on Business Unit of Food of Animal Origin



Assessment on fulfillment of hygiene requirement at business unit conducted by veterinary public health authority

The Aim of NKV

1

- **Animal Products Assurance for ASUH**

2

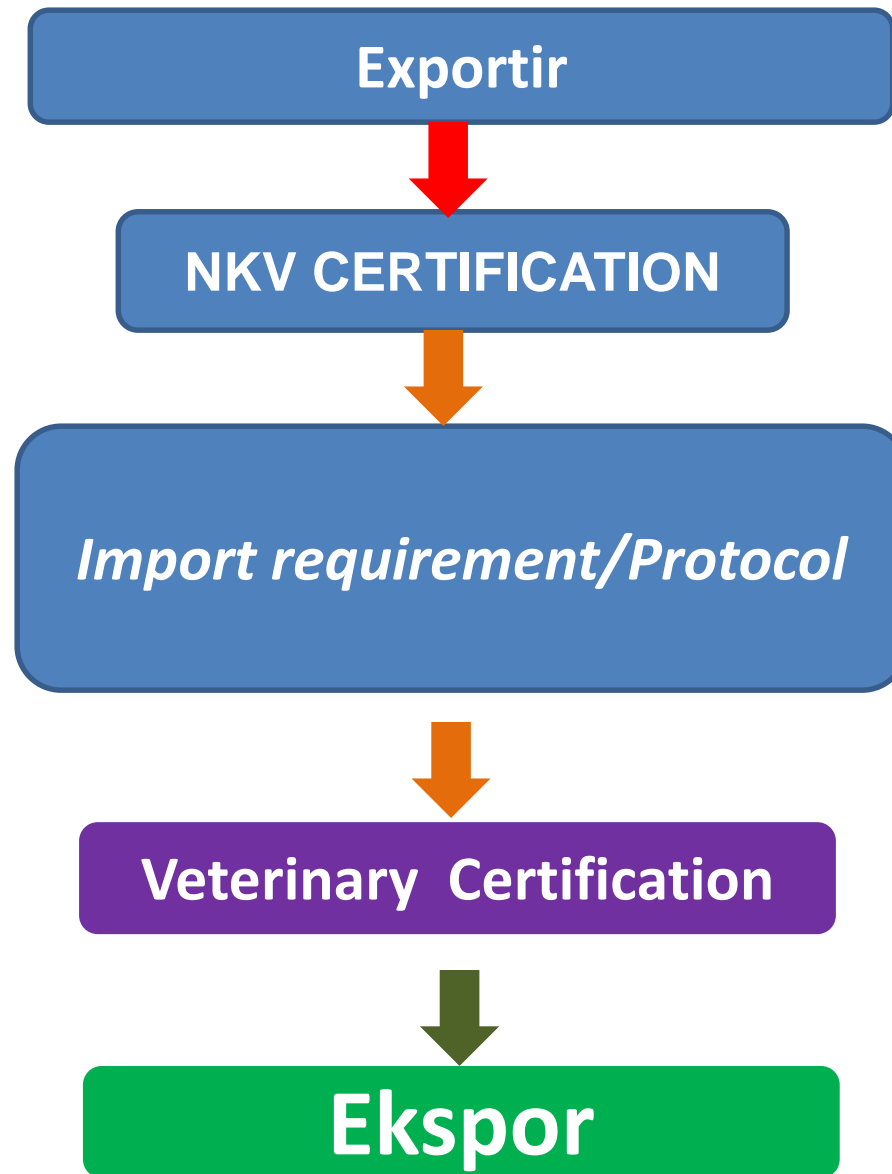
- **Improve product competitiveness → ekspor, market**

3

- ***Traceability***



Food of Animal Safety Assurance for Export



Food of Animal Origin Control System (Import)

COUNTRY OF ORIGIN

- ❖ **Country approval**
- ❖ **Establishment approval**

ENTRY POINT IN INDONESIA

- ❖ **Animal Quarantine**

Distribution

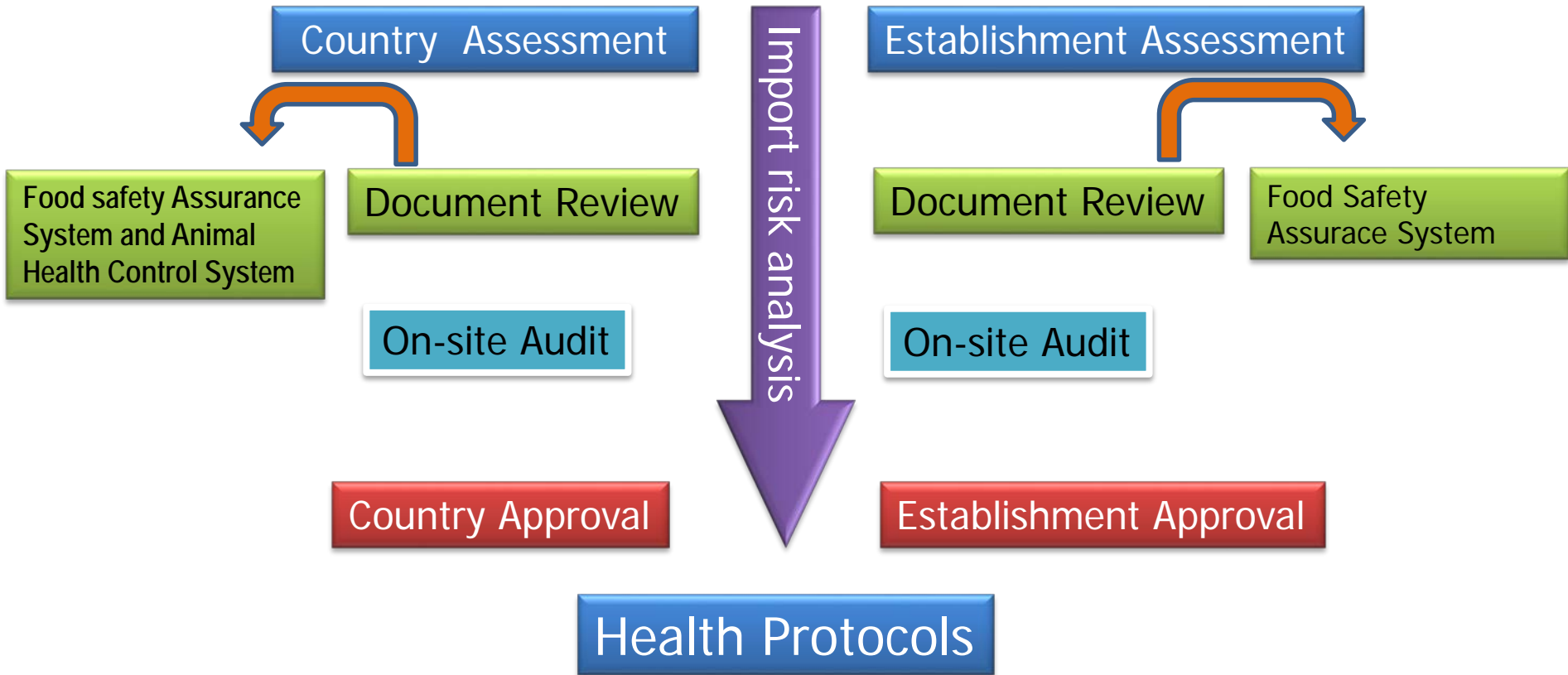
- ☑ Certification and Registration of Food of Animal Origin Production Unit through Veterinary Control Number (NKV)
- ☑ Animal origin food labeling
- ☑ Monitoring residues and microbial contamination
- ☑ Application of HACCP System

Public

- ❖ **Government excellent service**
- ❖ **Consumer awareness**

Procedure of Country and Establishment Approval

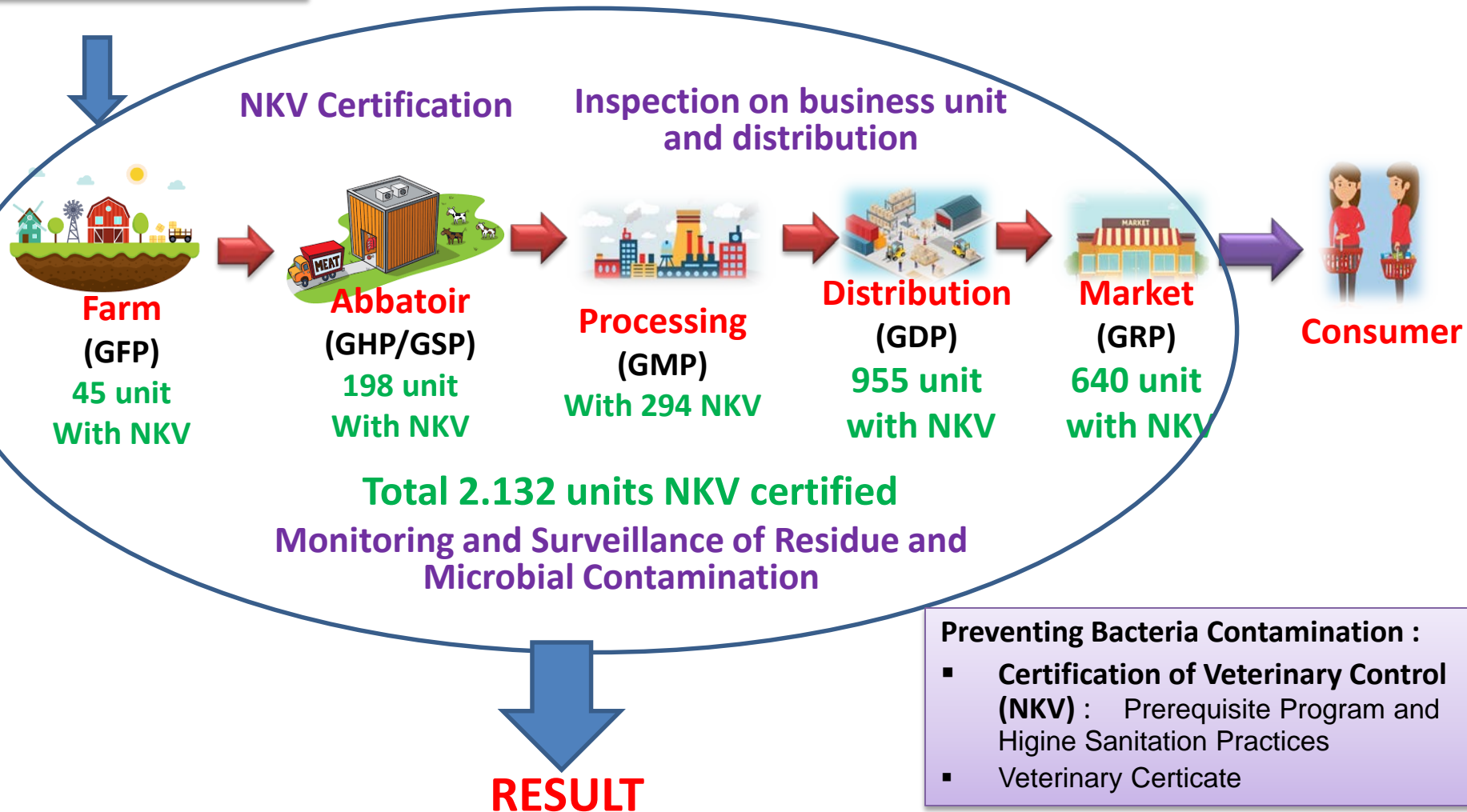
Proposal from Exporting Country



Food of Animal Origin Control System (Locally Produced)

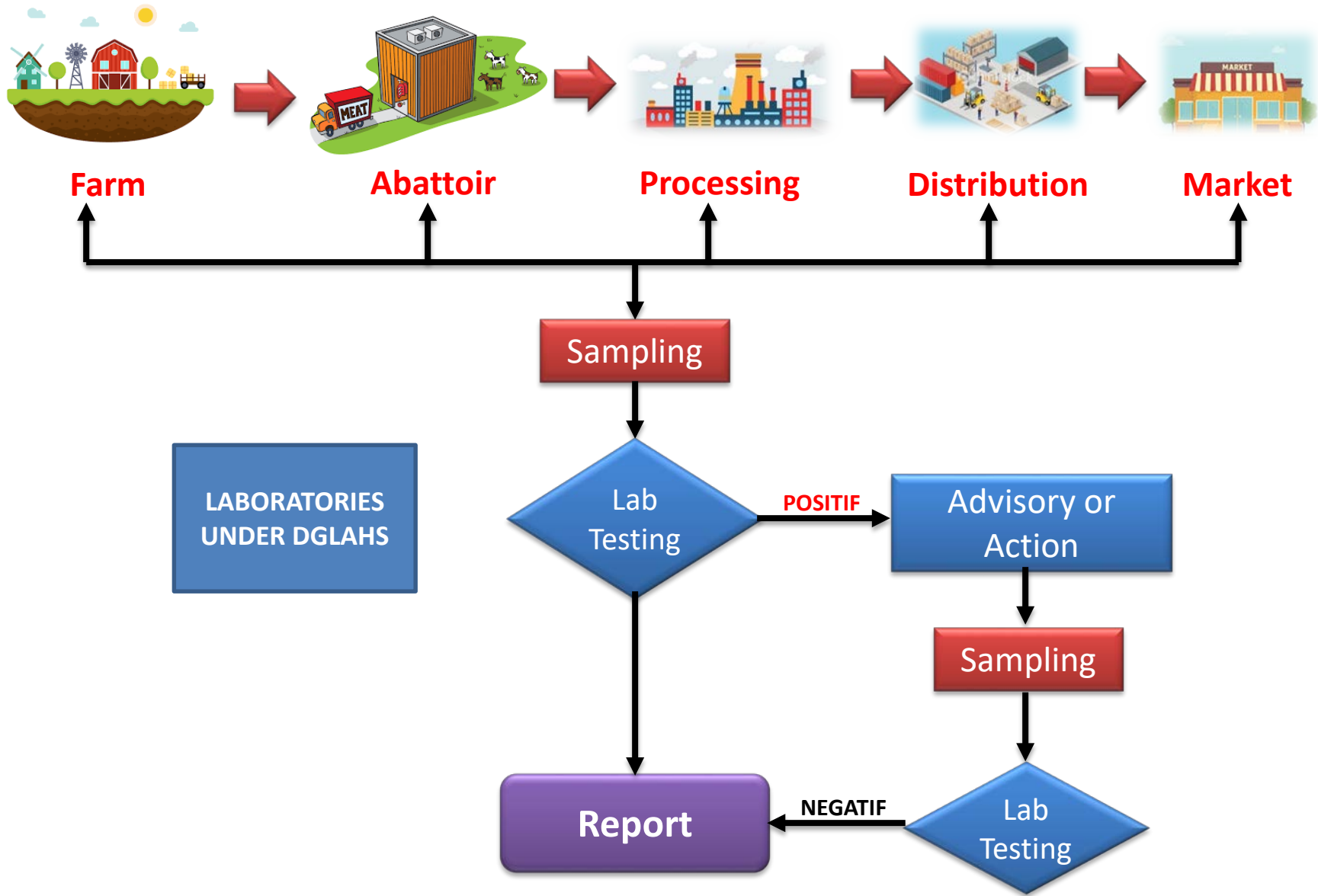
Safe from Farm to Table

- The use of antibiotics for therapy is under supervision of Veterinarian
- Biosecurity 3 zona

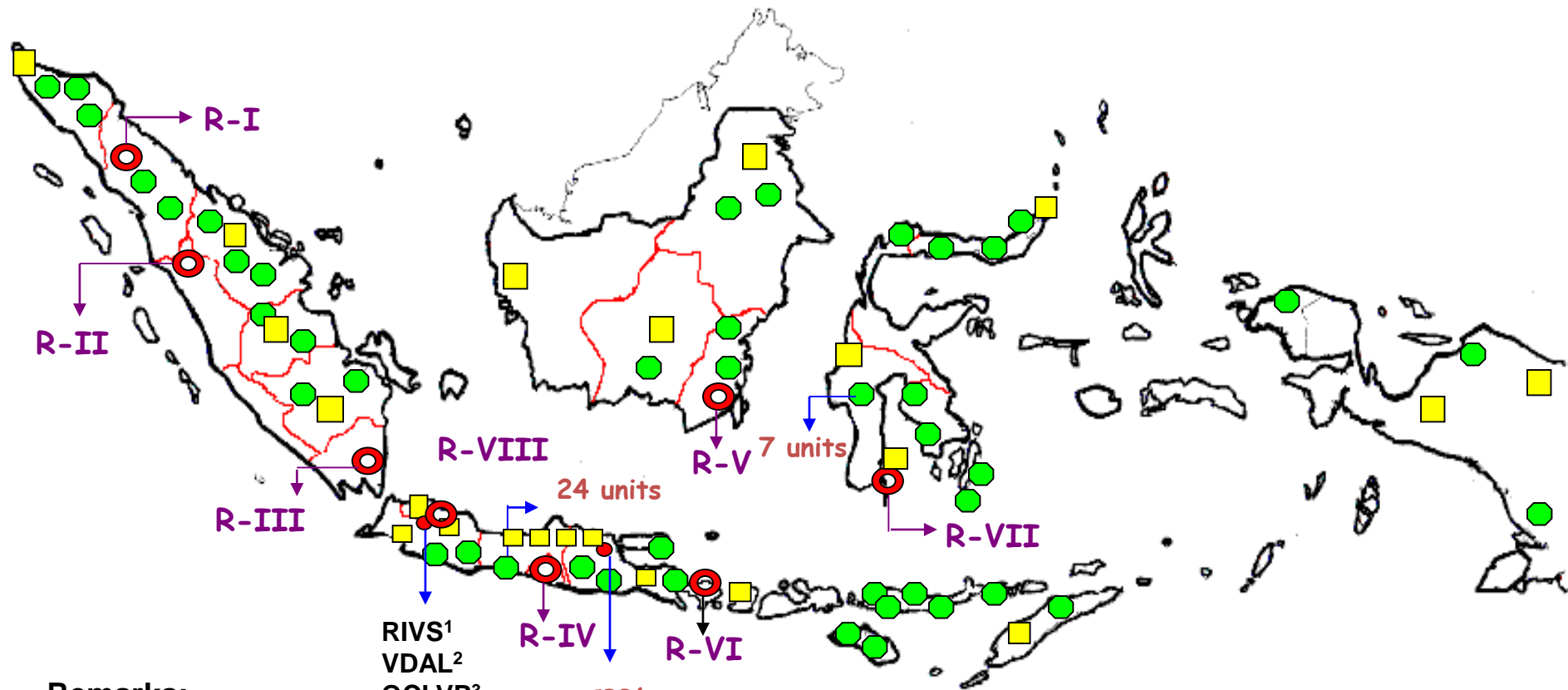


Food Products of Animal Origin meet the "ASUH" Requirement

Veterinary Public Health Monitoring Scheme



LABORATORIES UNDER DGLAHS



Remarks:

- DIC⁵
- Type B Lab.(Provinces)
- Type C lab.(Districts)

RIVS¹
VDAL²
QCLVP³
FQCL⁶

CBP⁴

- ¹ RIVS (Research Institute for Veterinary Science)
- ² VDAL (Veterinary Drugs Assay Laboratory)
- ³ QCLVP (Quality Control Laboratory for Livestock Products)
- ⁴ CBP (Center for Biological Product)
- ⁵ DIC (Disease Investigation Centre)
- ⁶ FQCL (Feed Quality Control Laboratory)

CONCLUSION

- Animal products that distributed to the public are safe, healthy, wholesome and halal.
- Indonesia has regulations and system concerning assurance of food safety for food of animal product including AMR issue.
- Government encourages stakeholders involve in campaign to handle antibiotic with care.



THANK YOU