

Antibiotic use in Indonesia

In comparison with The Netherlands



Jelte Kock
Intern MBLC
10 October 2017
DIFS-Live
Bandung, Indonesia

Introduction Intern

- Jelte Kock
 - DIFS-Live intern at MBLC
 - INTERNATIONAL FOOD & AGRIBUSINESS
 - 15 week internship
-
- Research on antibiotic-use in Indonesian broiler production sector.



Indonesian broiler production sector

Open

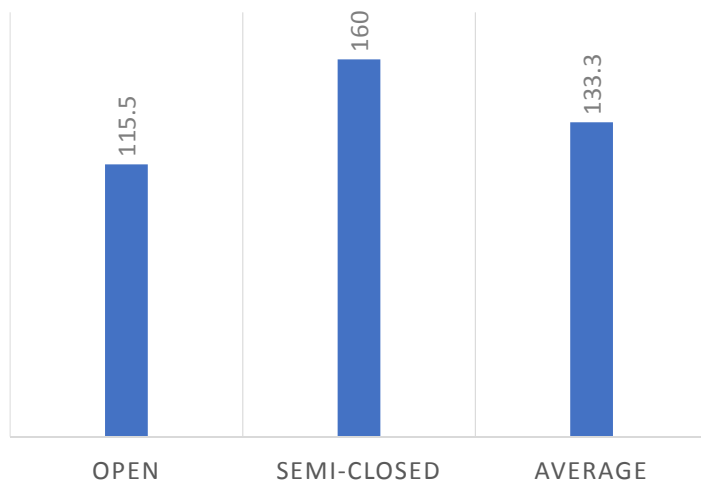


Source: Rick van Emous

Semi-Closed



Antibiotic use in Indonesia (in DD/AY)



*Daily dosage (DD/AY) = amount of days the farms animals receive antibiotics in a year

The Netherlands

- Closed housing system

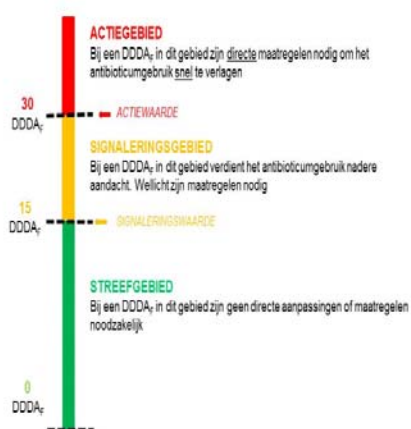
10,5 DD/DJ! (VS 133,3 DD/DJ in Indonesia)

- 37% → 0 DD/DJ

(2016)

DIFSLIVE
INDONESIAN – DUTCH PROGRAMME ON
FOOD SECURITY, POULTRY & DAIRY SECTOR

Benchmarkwaarden antibioticumgebruik Vleeskuikens



Action area

With a DD/J/DJ above 30, direct actions are necessary to lower the AB use immediately.

Warning area

With a DD/J/DJ within this area, the AB use needs attention, maybe actions are necessary.

Target area

With a DD/J/DJ in this area, no further actions are necessary.

Classification of antibiotics

- **Group 1: First choice**

No negative influence on residues which can be a danger to public human health. Can be used in treatment plan.

- **Group 2: Second choice**

Can only be used based on bacterial research, but are not critical for human public health care. Can only be used in a treatment plan for a limited time.

- **Group 3: Third choice**

Products which are critical in human public health care, can only be used on individual animals, and the use must be based on bacterial research. Can only be used in individual cases. (only exist of one product: Enrofloxacin)

Classification of antibiotics

Used AB in DD/DJ

	Group 1	Group 2	Group 3	Total
Netherlands	4,77	5,55	0,17	10,49
Indonesia	56,5	36,4	40,4	133,3

Plan of action in lowering AB use in NL

2008 → signing of covenant Antibiotic resistance

HOW?

- Plan of action
- Registration
- Relation veterinary and poultry company
- Awareness of individual companies
- Stricter regulation



Results? → 65% Decline in antibiotic use!

Thank you for listening!

Lets start the road to an AB-free broiler production sector in Indonesia!

