



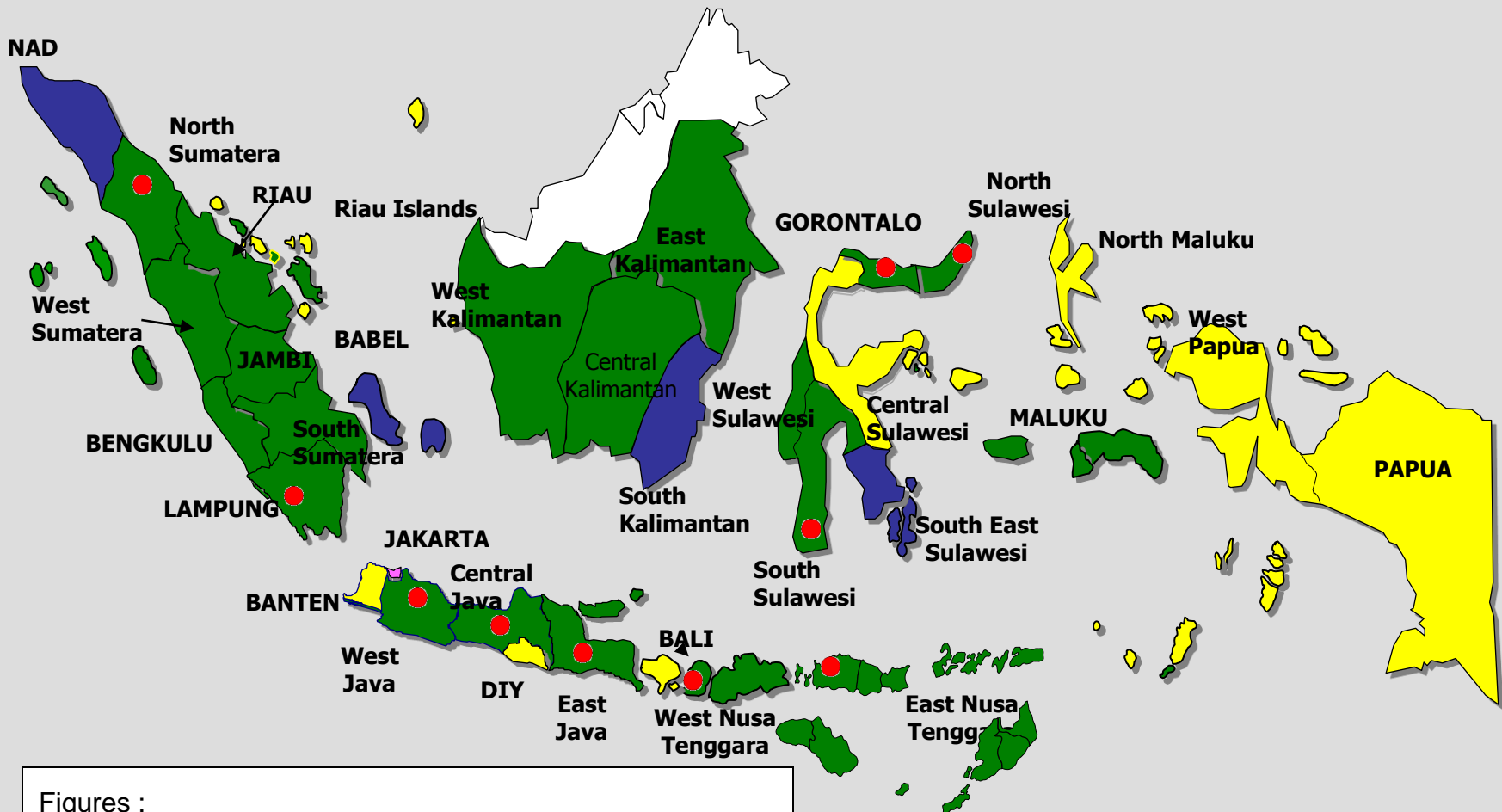
INDONESIA

Country Report



D8 - WORKING GROUP OF ANIMAL FEED
Istambul, 1-3 December 2014

MAP OF INDONESIA



Figures :

- consist of more than 17.000 islands
- 33 provinces
- lies between Asia and Australia & Pacific and Indian Ocean
- consist of various tribes, religion, language and culture with
- the one national language Bahasa Indonesia

POULTRY POPULATION

(000 heads)

Commodities	2010	2011	2012*	2013*)	2014*)
Broiler	986,872	1,177,991	1,244,402	1,334,191	1,481,872
Layer	105,210	124,636	138,718	146,622	154,657
Native Chicken	257,544	264,340	274,564	276,777	286,538
Duck	44,302	43,488	44,357	43,710	44,095
Total	1,393,928	1,610,255	1,702,041	1,801,300	1,967,164

Source : Livestock Statistics 2014, MOA

*) Preliminary figures

LIVESTOCK POPULATION

(000 heads)

Commodities	2010	2011	2012	2013	2014*)
Beef Cattle	13,582	14,824	15,981	12,686	14,703
Dairy	488	597	612	444	483
Buffalo	2,000	1,305	1,438	1,110	1,321
Goat	16,620	16,946	17,905	18,500	19,218
Sheep	10,725	11,791	13,420	14,926	15,716

Source : Livestock Statistics 2011, MOA

*) Preliminary figures

SUPPLY OF RAW MATERIALS

LOCAL

- Corn
- Rice bran
- CPO
- Palm kernel meal
- Coconut meal
- Fish meal
- Grid
- Pollard
- Forages

IMPORT

- Corn,
- SBM
- Rapeseed
- CGM, DDGS
- MBM/PMM/Feather meal
- Fish meal/oil
- Calcium Phospat
- Feed additives/supplemets
- Flour
- Forage seed

IMPORT OF FEED RAW MATERIAL

million tons

RAW MATERIAL	2010	2011	2012	2013	2014*)
CORN	1.552	3.076	1.538	2.955	2.591
SBM	2.820	2.930	3.477	3.543	3.303
DDGS	0.212	0.257	0.234	0.215	0.245
CGM	0.140	0.180	0.267	0.277	0.238
Rapeseed	0.600	0.140	0.154	0.146	0.126
MBM	0.382	0.424	0.324	0.337	0.286

Source : Directorate of Animal Feed,,2014

*) until October, 2014

- Import MBM only from 4 countries (Australia, NZ, USA and Canada). Import from USA stopped from April 2012, case of BSE
- Fish meal mainly from Malaysia, Canada, Chile, Mexico, NZ and Vietnam
- SBM come from USA, Brazil, Argentina, India
- CGM, DDGS mainly from USA



FEEDMILLS



- 68 Feedmills
- Capacity 20 million tons/year (2014)
- Demand : 15,2 million tons (2014)
- PMA/MNC (USA, Thailand, Korea, China)
- Production mostly for broiler and layer industries, small part for ducks, cattle, pigs feed

PROGRAM FOR INCREASING FEED PRODUCTION

1. Increasing local corn production (19,8 million tons in 2014)
2. Utilization of much more local contents (rice bran, cassava leaf, palm kernel cake, coconut meal, CPO, etc)
3. Introduction the utilization of non-conventional feed raw material
4. Technology application using local sources
5. Increasing feed quality (feed standard)

OVERVIEW : RUMINANT FEED



- Ruminant feed industry still not developed as poultry feed
- Supply of concentrate mostly come from mini feedmills (dairy coops and livestock farms)
- Feed quality still low, not standardized, not registered, not certificated and labelled
- No application of GMP
- Cattle farmers only used field grass, rather than the good quality of grasses or legumes
- Feed technology ? Still rare..

PROGRAMS FOR INCREASING FORAGE PRODUCTION



1. Strengthening the production of forage seed → government (BPTU/UPTD), farmer groups and private company
2. Forage farming in the marginal land
3. Optimalizing land utilization by livestock-plants integration (palm estate, coffee/cacao plantation, paddy, corn, sorghum, forest land)
4. Developing and maintaining pasture
5. Re-vegetation of coal mining by planting forage



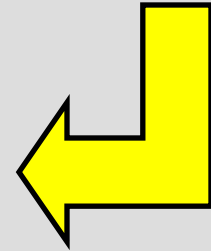
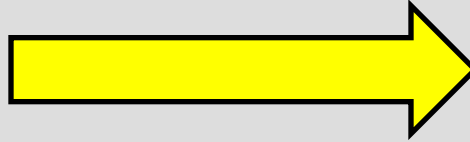


PALM – CATTLE INTEGRATION

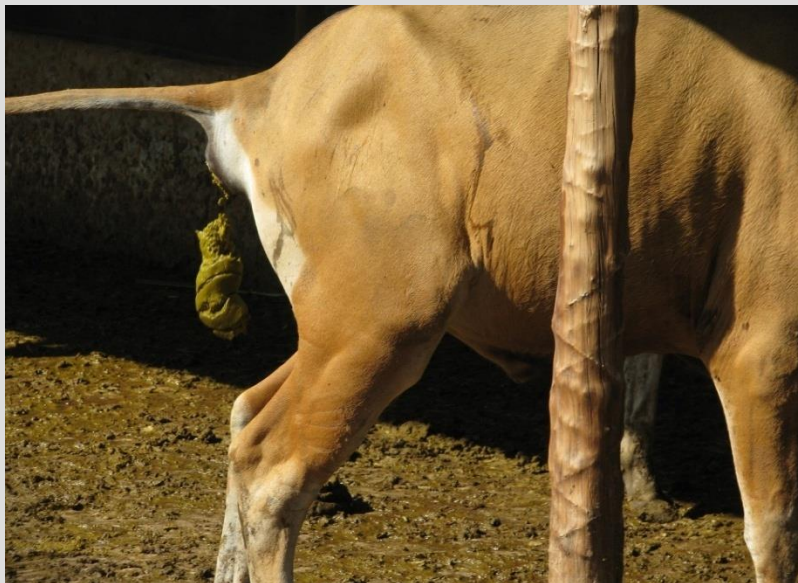
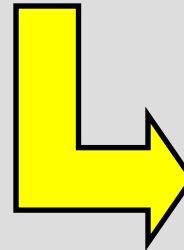


Do not *over crowded*, no *grazing* in earlier planting & prevent from ganoderma

Kusuma Diwyanto, 2014



PRODUCTION OF LIQUID FERTILIZER



DEVELOPMENT AND CONTROL OF FEED QUALITY

DEV. OF QUALITY STANDARD

85 Feed/Raw Material Standard

FEED REGISTRATION

Ministry Regulation/Permentan 19/2009

FEED QUALITY CONTROL

Ministry Regulation/Permentan 65/2007



THANK YOU

