International Cooperation and Governance

"Cooperation sustainability agriculture for relation with three countries"

Group C











December 4, 2015

Introduction Background: BUT!!! We know some problems in agriculture in each country

How to cooperate???

Introduction







Introduction

Excursion and Lectures during Winter Course

What we get??

A good opportunity to increase knowledge and broaden our horizon

What we do??

Discussion: The differences among Japan, Indonesia, and Thailand also issues existing in each country

What the result??

The concern about International Cooperation and Governance

Difference condition among 3 countries

	Indonesia	Thailand	Japan	
Climate	subtropics	subtropics	temparate zone	
Season	dry/rainy season	rainy/high or low temperature	4 seasons	
Temperature	35/28℃	25℃/32℃/35℃	20℃/35/20/0-10℃	
Rice paddy crop	upland and paddy	paddy	paddy	
Cultivate method	traditional	traditional/ mechanization	mechanization	
National institute	not enough	not enough	Jircas/Ja/Coop	
Location	island	coastal nation	island	
Cultivated area	17200000ha/64%/land	2000000ha/41.22% /land	4560000ha/12.2% /land	

Current situation of Japanese agriculture

- > Agricultural product in Japan already fulfilled a domestic market demand
- > Agricultural sector supported by modern and high technology and educated labors/farmers
- >Japan have a plan to join TPP (Trans-Pacific Partnership), thus Japanese need to develop the techniques in agricultures sector

- International collaboration with Thailand and Indonesia to conduct some Research Projects in agriculture (ex. organic farming) to support agricultural sustainability
- ➤ As of now, Thailand and Indonesia is not ready yet to join FTA (Free Trade Agreement) because their domestics demand not yet fulfill.

Objective

- 1. Find out the differences of quality and technology among Japan, Thailand and Indonesia.
- 2. Find out cooperative agriculture system and higher practical of organic farming, reduce waste product.
- 3. Practicing an advance agriculture engineering to give a training for the farmers to increase their skills





Indonesia



Agriculture Growth Domestic Product in Indonesia 2011-2014

	Growth (%)						
Subsector	2010	2011	2012	2103	2014	Average	
GDP		6,17	6,03	5,58	5,02	5,70	
1. Agriculture, Animal							
Husbandry and							
persecution		3,47	4,58	3,85	3,71	3,90	
1.1 Crop		1,00	4,90	1,97	0,24	1,53	
1.2 Horticulture		8,77	2,21	0,67	4,19	2,83	
1.3 Plantation		4,94	6,95	6,15	5,83	5,97	
1.4 Cattle		4,80	4,97	5,08	5,44	5,07	
1.5 Agricultural service							
and persecution		3,83	6,07	5,91	2,58	4,60	

Source: Indonesian Agency Statistic 2015

Indonesia



Condition of agriculture

- Indonesia have 39,5 million ha area but only 25,5 million ha area utillized (14,0 million ha area are unuse).
- Agriculture production can not fullfill national demands
- Traditional agriculture processing
- Indonesian agriculture research agency need to be improve (knowledge)
- Increasing of production costs (fertilizer, labors)
- Agrarian law need to be improve (Governance)

Organic Farm in Indonesia

Star

- Indonesia already started organic farming such as integrated farming system in Indonesia at Bogor and Bali (SIMANTRI)
- Indonesia has been developed organic product such as bio-urine, biopesticide, bio-gasses, compost and organic manure.



But, the condition and development of organic farming in Indonesia still can not fullfill the needs of the national market demand

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- 1. There are a lot of technology center for agricultural research compared to Indonesia and Thailand
- 2. Machanization is developed in Japanese farming system



Japanese agricultural is deeply related 4 seasons.

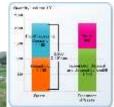
→Can not grow up in winter season

Problems



- 1. Aging of farming population
- Difficulty of machinalize utilization for smallholder farmers
- Quantity of crop waste is larger compared to that in Indonesia and Thailand





Characteristic of farming system



How to solve the problem ???

Problems that arise to make cooperation

- 1. Lack of agricultural technology
- 2. Product quality is lower than Japanese products (morphological, taste, etc.)
- 3. The organic farming just started in Thailand & Indonesia
- 4. Exceed demand more than supplies
- Thai agricultural products were sent to various markets (both premiere & local market)

How to solve the problem?



Establish international cooperation with others countries







Problem solving to make cooperation

- 1. International collaborative researches such as dispatch &invitation of researcher
- 2. Training of trainers for farmers



- 3. Improvement the human resources
 - student's exchange
 - internship
 - seminar
 - international conferences
- 4. Learning collaborative marketing
- 5. Establishing technology in agriculture







Conclusion

- The sustainable agriculture can be improve to become a better agriculture in a future by integration from all aspects including international cooperation and governance
- Agriculture`s technology in Japan needs to be adopt in Indonesia and Thailand for sustainable agriculture to improve economic condition and society welfare.
- Japan get some exchange information about knowledge and specific agricultural system from Indonesia and Thailand

