

COUNTRY REPORT VEGETABLE SEED INDUSTRY IN INDONESIA



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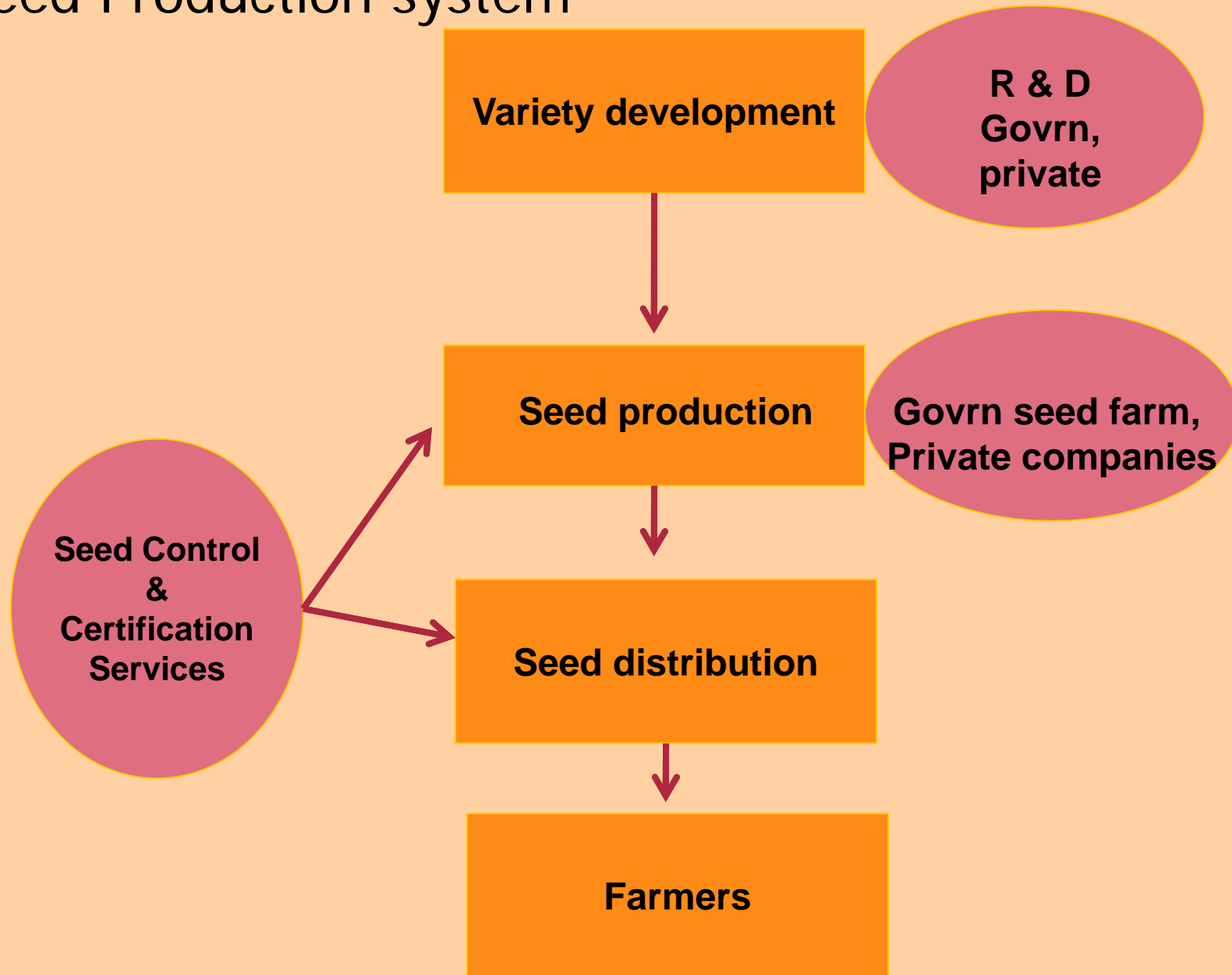
BACKGROUND

- Agriculture : food crops, horticulture, estate crops, livestock
- Horticulture crops : Vegetables, fruits, ornamental plants and medicinal plants
- Vegetables : potato, shallot, chilli, tomatoes, string bean, bean, cucumber, kangkong, carrot, cabbage, chinese cabbage, etc.
- Fruits : mango, mangosteen, durian, orange, banana, papaya, starfruits, etc.

* Agriculture land > 20 million ha :

- Fruits : 727.196 ha
- Vegetables : 995.707 ha
- Paddy : 12.327.425 ha
- Maize : 4.001.727 ha
- Estate crops :

Seed Production system



Seed Regulations

- Agricultural Act no 12 year 1992
- Government Regulation no 44 year 1996
- Agriculture Ministerial decrees :
 - No 37 year 2006 on Variety release
 - No 38 year 2006 on import and export of seed
 - No 39 year 2006 on seed production,
Certification & distribution
 - Some decrees on quarantine requirement

Important Rules

- All varieties which will be commercialized have to be released by the government
- All commercial seed have to be certified
- Import/export of seed have to have a permit from the minister of agriculture
- Seed producers and traders have to be registered at agriculture office
- Distribution of seed is controlled by government (seed inspectors)
- Seed which can be produced in Indonesia, only 2 years after released could be imported

Problems on Horticulture Seed Development

- * Supply of quality seed is limited
- * Information on seed supply and demand is weak
- * Some of farmers prefer using their own seed
- * Price of quality seed are expensive
- * Law enforcement still weak
- * Number of breeder is limited

Objectives of Seed Development

- To increase quality seed supply to fulfill farmer's needs
- To create job opportunities
- To increase farmers welfare

Vegetable Planting Area 2008

Crops	Planting area	Seed demand
	(ha)	(kg)
Potatoes (ton)	62.375	103.272
Shallot (ton)	93.694	118.655
Chilli	194.588	75.494
Stringbean	85.469	2.454.059
Tomatoes	51.523	19.617
Bean	31.330	1.297.335
Kangkong	47.024	1.380.818
Cabbage	60.711	19.957

Supply-Demand Vegetable Seed 2008

Crops	Demand	Supply			% sup/demand
		National	Import	Total	
Potatoes (ton)	103.272	5.281	2.785	8.066	7,8
Shallot (ton)	118.655	14.022	4.500	18.522	15,6
Chilli (Kg)	75.494	21.998	9.167	31.165	41,3
Stringbean (kg)	2.454.059	1.429.436	1.410	1.430.846	58,3
Tomatoes (kg)	19.617	5.625	4.626	10.251	52,3
Bean (kg)	1.297.335	378.861	150	379.011	29,2
Kangkong (kg)	1.380.818	1.214.516	42.651	1.257.167	91,0
Cabbage (kg)	19.957	-	14.250	14.250	71,4

continued

Supply-Demand Vegetable Seed 2008

Crops	Demand	Supply			% supp/demand
		National	Import	Total	
Cucumber (kg)	109.421	140.264	5.404	145.668	133,1
Carrot (kg)	107.045	1.250	6.014	7.264	6,8
Chinese cabbage (kg)	28.573	18.646	5.434	24.080	84,3

Export-Import of Vegetable Seed 2007-2008

Crops	Export (Kg)		Import (Kg)	
	2007	2008	2007	2008
Chilli	12.606	18.661	9.855	9.167
Stringbean	.	12.386	3.000	1.410
Tomatoes	1.120	2.170	5.667	4.626
Kangkong	575.000	2.138.020	102.000	42.651
Cucumber	11.454	6.309	10.610	5.404
Bean	.	5.000	-	150

SEED INSTITUTIONS

- * Horticulture seed farms : 32 units
- * Seed Control and Certification Services : 32 units
- * Seed inspectors : 1.372 persons
- * National Vegetable Seed Associations : 5
- * Vegetable seed Producers :
 - Multinational companies : EWSI, BISI, Takii, Syngenta, etc
 - National companies : > 100 companies
 - Government seed companies : 2
- * Horticultural Research Centre (Government)


Government strategy

- To improve seed regulation, more suitable for horticulture seed
- To encourage variety development
- To improve capacity of human resource (breeder, seed inspectors, seed producers, seed traders, farmers)
- To encourage private participation on seed industry
- To strengthen law enforcement

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**BEDAKAN KHUSUS UNTUK
KALANGAN SENDIRI**

...
*** Mekar Tani Jaya ***
...
...

Kelompok Mekar Tani
MEKAR TANI JAYA



Benih Bunga Kol
cauliflower seed





KAPASITAS PRODUKSI RUMAH KASA UKURAN 6 X20 M



Kapasitas Tanam 1000 stek dengan hasil rata-rata 25 umbi sehingga dihasilkan 25.000 umbi G0 setiap musim tanam







THANK YOU
TERIMAKASIH