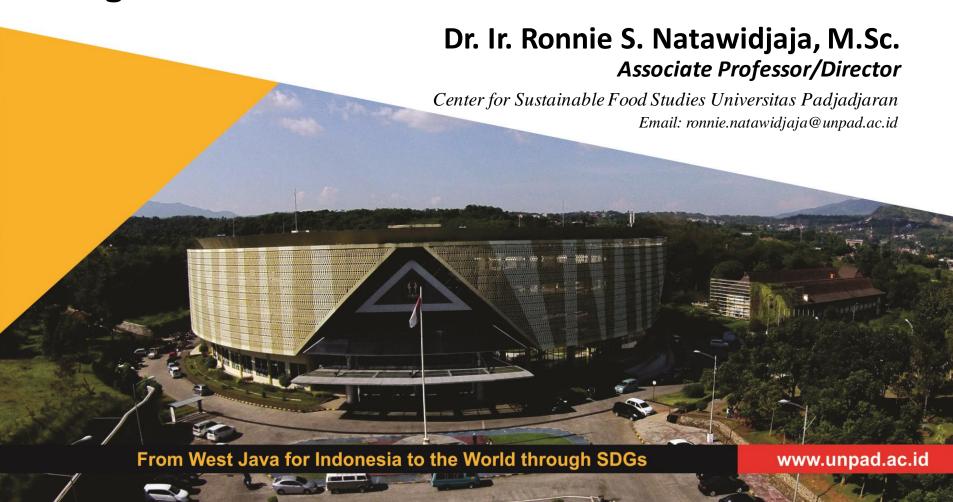




Impact of Modern Value Chains on Small Holder Farmer Practices at The Production Centers of Vegetables in West Java Province





Policy Background

- Fresh vegetables in Indonesia are mostly produced at the upland production centers. The most popular production centers in West Java Province are: Lembang, Cianjur, Pangalengan, and Garut
- The Upland area is also known for its natural scenic beauty. This makes them ideal for tourist destinations and creates **a high opportunity cost for land (high cost of land rent)** and more pressure for land use conversion into villas, hotels, and other tourism facilities, which **threaten the sustainability of upland agricultural production**.



Policy Background

- Until the end of the 1990s, smallholder farmers heavily relied only on the traditional market system to sell their harvest.
- Natawidjaja (1994) found that vegetable farmers in West Java sold 90% of their harvest to the local collectors and wholesale traders of the traditional market system ungraded, mainly leading to the Traditional Kramatjati Central Market.
- The traditional market system believes to be inefficient and gives smallholder farmers low prices because of the long market chain and many actors involved. But that is only a myth.



The Traditional Market System

- The traditional system has a low value-added, almost no postharvest handling and value addition along the chain.
- In this system, the farmer's harvest went through different market actors without value added, only changing the sack/packaging and adding extra cost.



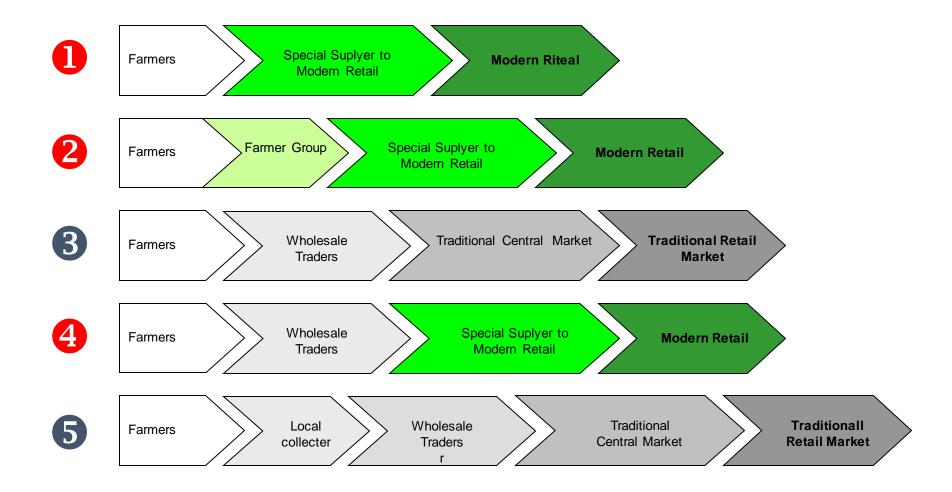


Disruptive Modern Value Chain

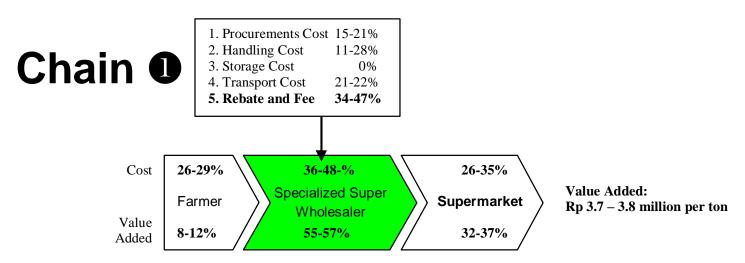
- The Traditional Market System was disrupted by a modern value chain growth, mainly led by the development of the supermarket chain in Indonesia after the restriction for foreign investment in the retail sector was removed in 1990 as part of the agreement with the IMF.
- Modern Value Chain creates more value-added and demand for higher quality and more variety (SKU) of vegetable production
- Supermarket Development has also induced the development of the food and beverages processing industry, which also creates more demand for the row materials

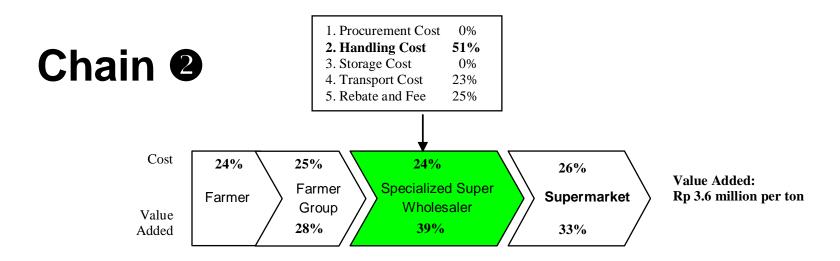


Value Chain of Tomatoes to Jakarta



Detil Value Chain per Channel



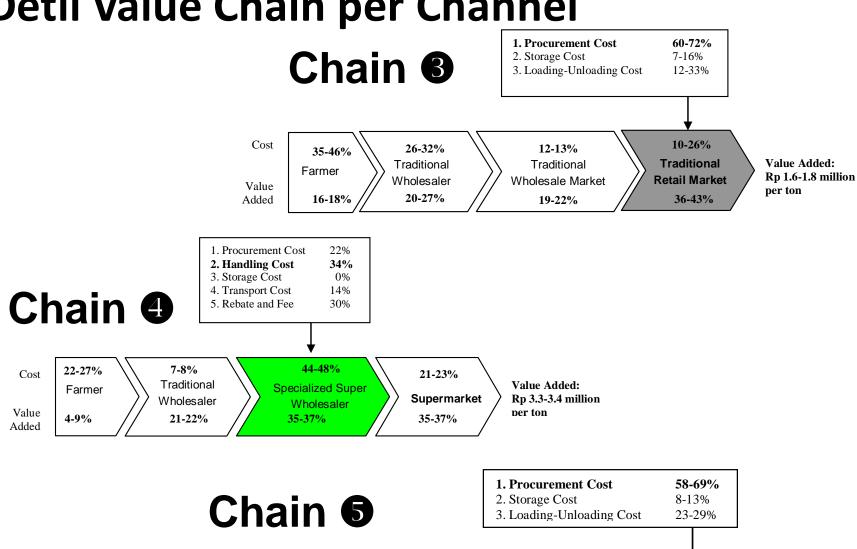


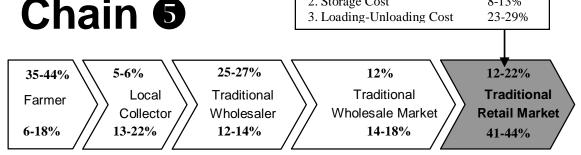
Detil Value Chain per Channel

Cost

Value

Added





Value Added:

per ton

Rp 1.8-1.9 million



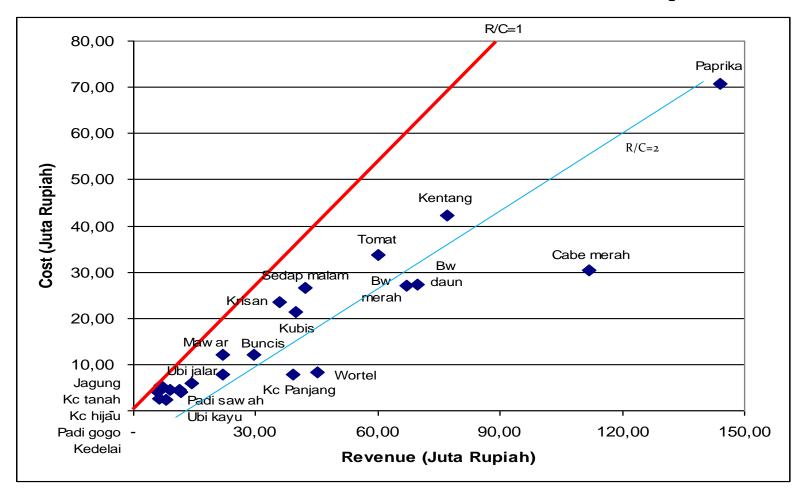
Changing Downstream Market of Tomatoes from West Java Production Centers in 2006

No	Downstream Market Destination	Percentage Share According to the Downstream Market			Avarage
		Lembang	Pangalengan	Garut	%
1	Local Traditional Market	0	5	0	2
2	Kramatjati Central Market	66	66	73	68
3	Inter Island Trade	10	4	8	7
4	Modern Ritel (Supermarket)	14	12	7	11
5	Hotel and Restaurant	1	4	3	3
6	Small Scale Industry	1	1	4	2
7	Large Processing Industry	6	6	5	6
8	Export	2	2	0	1
	Total	100	100	100	100

Source: Natawidjaja et. Al., 2007



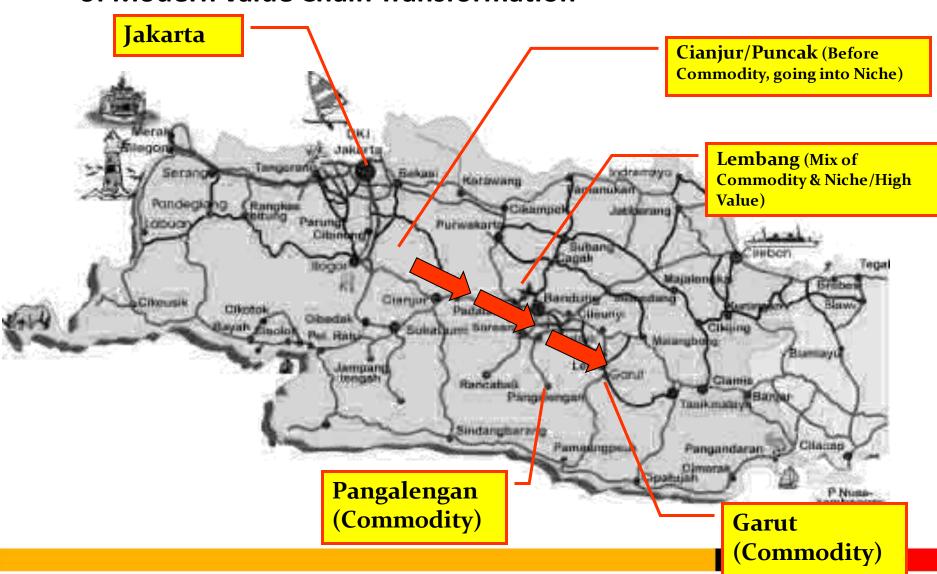
Value Ladder of Cultivating Food and Horticultural Crop





Value Ladder Effect

of Modern Value Chain Transformation





Value Ladder Effect

of Modern Value Chain Transformation

• Transform commodity value (value ladder), from

→ High-Value commodity

(brocoli, paprica, Japanese Vege, ect.)

→ Medium-Value Commodity

(exp: tomatoes, carrot, green onion, ect)

- **→Low-Value Commodity** (exp: corn, casava, sweet potato)
- It is like a **professional promotion for the farmer** to move up the commodity ladder, which requires higher skills in tech and marketing competency.



Conclusion

This paper demonstrated that:

- Small-holder farmers have been proven to have the ability to transform and adapt to an inclusive modern value chain
- The role of a specialized supplier is very important as an agent of change in the modern value chain who connects, and assisted farmers with eco-technical and market information since all connected to the market incentive for farmers to move up on the value ladder
- An Inclusive Modern Value Chain is needed as promarket instrument and should be part of the policy strategy to implement a sustainable landscape strategy of Indonesia.





Thank You

