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Concurrent Session 3 Sustainability of Organic Agriculture Using the Sixth Industrialization in the Philippines: A Case Study of Costales Nature Farms in Majayjay, Laguna

Joanna Joy Torreda
Monash University

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SUSTAINABILITY OF ORGANIC FARMING USING THE SIXTH INDUSTRIALIZATION IN THE PHILIPPINES: A CASE STUDY OF COSTALES NATURE FARM



Abstract

Background

A lot of people see organic agriculture differently. To some it is a luxurious necessity while to others it is a form of helping the environment and keeping the body healthy. Whatever the opinion is about organic agriculture, it is slowly becoming a trend to a number of countries. It is quickly gaining its momentum in the agriculture sector but still far from its full potential.

I believe that the initial step for solving climate change should come from the Agriculture sector and that is why promoting organic/sustainable agriculture is the key in this never-ending battle for climate change. For this industry to be successful, it should have a well-managed and cohesive system.

Objective

The main objective of this study is to see the different challenges affecting the sustainability of a farm in the Philippines that uses the sixth industry, a Japanese management strategy to organic farming.

Specifically, it aims to:

- Identify if Costales Nature farm is considered a farm that uses 6th industrialization.
- Give organic farmers as well as future organic farmers a way on how to manage a farm that uses this method, 6th industrialization.

This study hopes to educate farmers regarding organic agriculture as well as making them understand the different misconceptions about organic farming.

Results

Environmental



- ❖ Zero-waste farming is the main key for Costales’ sustainability.
- ❖ EM™ is a natural and probiotic technology and it is made up of beneficial and highly efficient organisms. These microorganisms are not harmful, nonpathogenic, not genetically modified, nor chemically synthesized.

Social

Internal

- *130 employees (70 Male: 30 Female).
- *Most employees are from the local area.
- *All regular employees. (No contracts)

External

- *Has multiple partnerships and engagements with other agencies (NGOs and Government)
- *Offers scholarship programs for their farmer’s children

Economical

Production

- Costales Nature farm is an integrated farm meaning different industries work together in order to achieve full potential of the given land area.
- Highest earner is vegetable production and the least earner is the organic chicken.

Manufacturing

- Included in this sector are “Porkganic” in which sells manufactured pork goods like ham and sausages, “Costales Nature Springs” which sells purified mineral drinking water, “Agrifoods” which includes the restaurant that also makes the salad dressings, fruit shakes, and gourmet meals using their own raw materials.

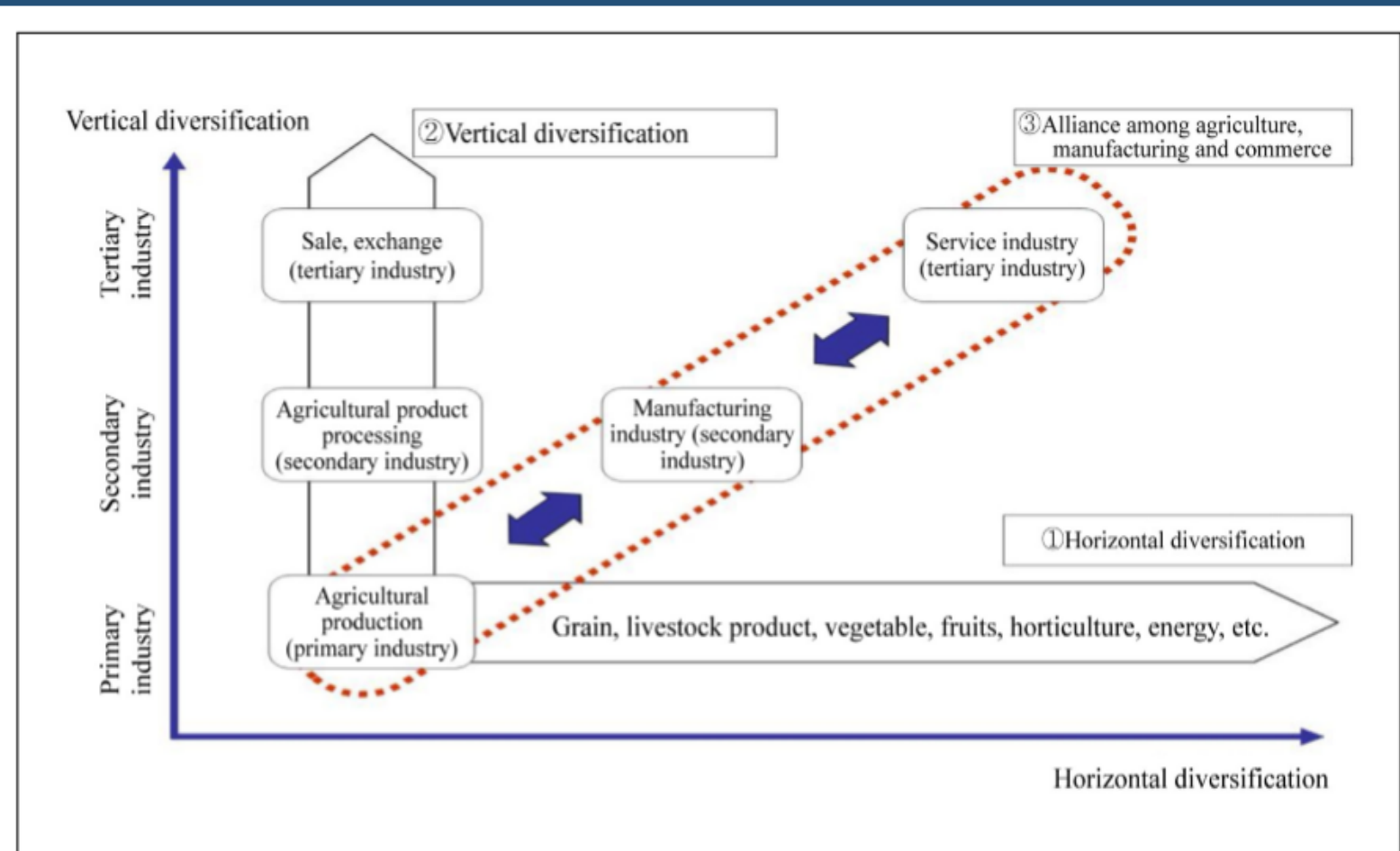
Sales and Services

- This is the biggest earner in all the sectors.
- Costales Nature farm tour customers around their farm but as well as locally famous areas that shows the tradition and culture of that region.

6th Industrialization

The sixth industrialization is a Japanese management strategy to organic farming wherein it combines all three sectors: primary, secondary, and tertiary, in one farm.

The benefits of this strategy are numerous but the main significance of this to climate change is the impact to the environment because it is a zero-waste inhibitor as well as promotes natural

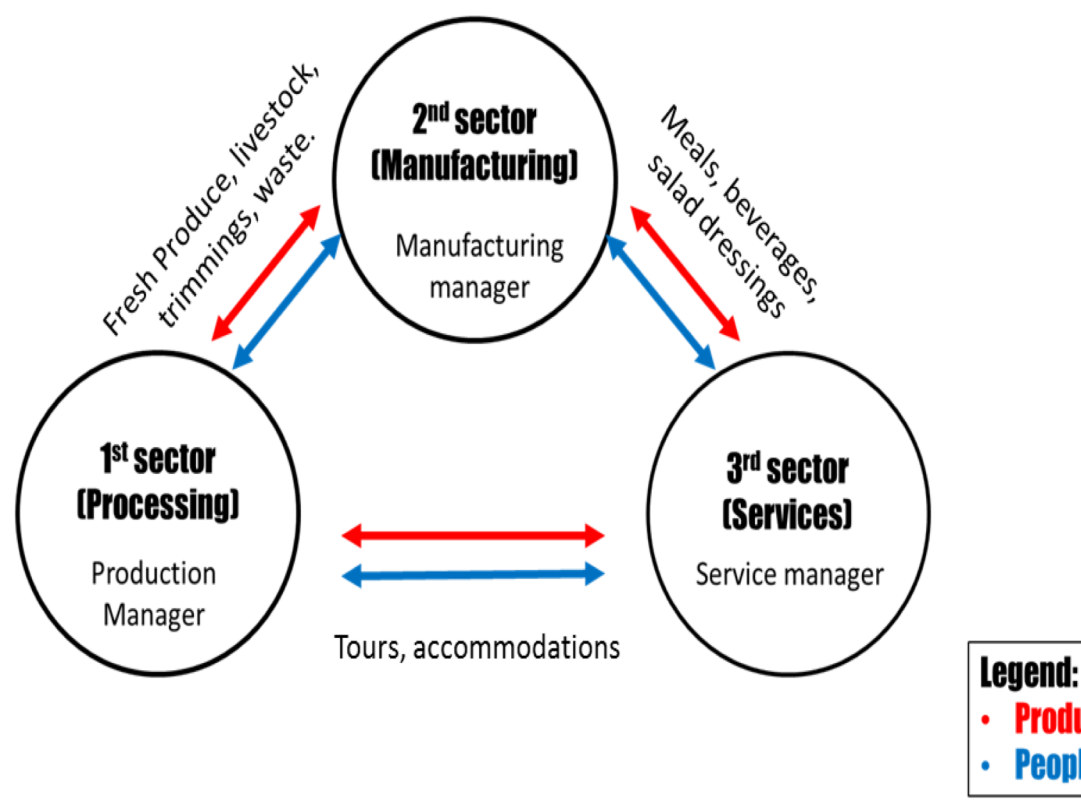


Source: Kim Tae-Gon, et al (1) (2013).

Costales Nature Farms

- ❖ Costales Nature farms is a private organic farm tourism destination that offers a one-of-a-kind farming experience to people who wants to escape the city and enjoy healthy options that the farm has to offer.
- ❖ Costales Nature farms is well known for its organic high-value crops specifically the lettuce combined with in-farm accommodation and hands-on farming experience. They are known also for being the first private extension service provider for organic agriculture on a national level and for being the first farm tourism destination in the Philippines accredited by the Department of Tourism (DOT).
- ❖ The farm maintains its sustainability by integrating various enterprises like high-value crops & culinary herbs production, free range poultry and livestock raising, aqua culture, vermiculture and orchard enterprise. The farm is a perfect model of not only certified organic production but also, sustainability, income diversification, business partnership, agro-tourism, extension service, creative fund generation and people management.
- ❖ The Company answers the call to provide avenues for a chemical-free agriculture, mitigate the effect of climate change and bring farm life experience at its best through dedication, service and excellence in agro-tourism.

6th Industrialization Management Model



In this model, you can see the flow of the 6th industrialization while focusing on the two variables that they were having problems with, which are products and people.

This strategy can help with challenges of having a sustainable synergy in a farm that uses 6th industrialization.

Conclusion

Each industry has their own challenges as well as advantages. The social and environmental sustainability of the farm is well documented and the results are positive but due to constraints with data gathering particularly the book keeping of the farm management, the economic viability of the farm still needs further investigation.

It was also evident that Costales Nature farms uses the 6th industrialization and that in order for them to manage such a complicated system is having a good management strategy.

To evaluate the synergy of the 6th industrialization, the 6th industrialization model can be used as basis but how to evaluate it is still unclear. So for future studies, I suggest to find a method or way on how to evaluate the synergy of this strategy.