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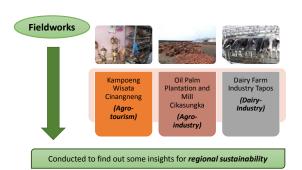
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SUSTAINABILITY

Figure 1. Definitions of sustainable development





Are They Can Sustain?

Kampoeng Wisata Cinangneng

• Establish : 2000, Area: 1.5 ha

: The tour guide from central java • Location : Cihideung Udik, Ciampea, Bogor • Community based "tourism development"

• It is establish to discover and learn about Sundanese culture and its society being the people from the village







Some Problem we found as obstacles for it sustainability

Economicaly & Social Aspect

- · Less employment
- Less society can elaborate with Kampung Wisata
- Many people around just use Sundanese Language
- We can't found any stand for collect the society handicraft

Ecological Aspect

- Some farmer use monoculture farming system
- We can't find the source of snake skin uses, from hunt or reproduction
- · Farmer mostly burn their plant residues

Economic:

- •The company provide employment for people who live around it
- •The company collaborate local people to develop home production
- · Increasing income of local people
- Give benefit for both of the company and local communities



• Idea for improvement:

- Home industry still need improvement on:
 - on promotion
- effort more people to develop their entrepreneurship so that increase the economic value of product
- The company may develop garden fruits inside of the field
 - make people more interested to visit Kampoeng Wisata
- · educational tourism
- · germ-palsm collection
- Improvement technology on post harvesting, especially utilization of machine
 - By using the technology, the agricultural activities are more effective and efficient

Social:

- Sundanese cultural performance is a good program to socialize and maintain existence of Sundanese culture, but in need the languange sco program
- By increasing income of local communities, it will be increased their welfare

Idea for improvement:

 There should be held community development program on entrepreneurship, especially about how to increase economic value of product, how to promote, and increasing number and variety of product

Ecological:

- The company have good environmental management. There is no find pollution
- Farming culture used by local people is monoculture, i.e. farming culture system which only one crop in an area. Monocultural farming system does not give many benefit for the soil.
- Idea for improvement:
 - It is better if they use multicultural farming system. The benefit of the farming
 - It is good for microbacterium ecosystem in the soil
 - Nutrient substitution of plants
 - Pest and diseases controlling
 - Burning of waste of plants is not recommended

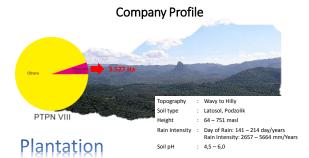


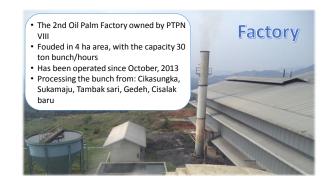
PTPN VII Cikasungka





Oil Palm Factory







the company provide employment to the local people, with the salary based on regional standard of minimum salary

Problems:

- Did not process the kernel to Palm Kernel Oil
- Less employment



Economic

Suggestions:

- · More value if sell oil kernel
- Utilization of biotechnology, such as tissue culture for increasing effectiveness of oil palm breeding.



Social Aspect

Problems:

Less colaboration with people arround to keep environmen

Suggestions:

In order to improve quality of human resources, the company carry on training for the employee, such as on the job training.



Ecological:

Use the waste of oil palm as fertilizer Use the waste of oil processing as fuel

- Did not integrated with other agriculture system (ex. husbandary, etc)
- Empty fruits bunch still abandoned directly without processing first, its harmfull, make the intensity of disease and pest attact increase
- Did not utilize of cover crop to control weed and to supply nitrogen to the







Suggestions:

- Integrated plant and animal, such as SISKA (Cattle and Palm oil Integrated System).
- Utilization of cover crop to control weed and to supply nitrogen to the soil (LCC).
- Utilization of waste of oil palm for more benefit product such as feed, mulch,
- Improving of waste management especially for leaves. Leaves which is put in around the plants will induced diseases and pest. It is need to provide special place to decomposite the leaves to be the manure or put it as the mulch after cut it into
- Improving technology for safety harvesting (Human Safety).



- Found by Soeharto, at 1974.
- The area is around 751 Ha, its an goverment land.

The Objective of the dairy farm is:

- To manage the unusefull land to more usefull, by utilizing science and technology.
 To provide th egoog breed (bibit unggul), for the husbandry and distribute it to local people.
- · To get the profit
- To open the job (employment), reduce unemployed people.

Economic:

Make some integrated between cattle and oil palm. The benefit which is:



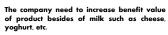
- a. For oil palm chemical fertilizer decrease
- b. We can make more employment
- c. We can make some feed for the animal from waste of oil palm

Sales of the milk still unable to compete with other company because the packaging cost are too expensive.















Society:

The company needed to incorporate with society to keep the green forest

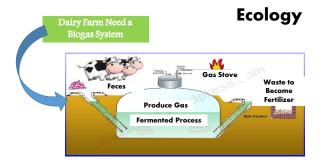


The company need to grow spike plant to maintenance the cattle from the wild animal and the product of the plant can pick up by the people like rotan plant, salak, etc





They need incorporate with student from university and make some "village school" and student can get many experience and knowledgement









Dairy Farm Need System Solar Panel





They Can Used The Water Tank to Bath a Tub The Cow Before Milking



INTEGRATION IDEA

