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Integration of Oil Palm and Cattle for Post Conflict Sustainable Development Saifuddin, Suadi Sociology Department Faculty of Social and Political Sciences Malikussaleh University, Aceh, Indonesia Suryadi, Fadli Department of Agro-Business Faculty of Agriculture Malikussaleh University, Aceh, Indonesia Abstract; This article focus to enlighten the integration of oil palm and cattle in the model of sustainable development in post-conflict Aceh Timur, Indonesia.

The focus as regards on smallholders of livestock farmers who involve themselves in the process and benefit from integration in palm oil and livestock farmers. There was an investigation into the long-term system at the time of the district's. Using qualitative research methods involving the three district in Bireun at the A-East region reduction, data presentation and conclusion.

Marks of study exhibited that the process of integration of palm oil and cattle carried out by the farmers community were divided to 3 types of models; naturally integrated system; cooperative integrated system; The order of patterns and provisions are very significant in both the economy, Income, various sectors in the economic sector and able to improve the quality in the field of Economics and visible increase in income and fulfillment of social and spiritual activities .In addition, the use of pesticides for weeds eradication and fertilizers are significantly reduced.

This point described that types of models are aligned with on the framework of sustainable development model, as well as to a positive peace in Aceh. Keywords: Integration, Cattle, Oil Palm, Development and Post Conflict. Introduction Disputes that occurred in the area made the residents' livelihoods worse and people's lives in all fields.

The influence of the situation during the conflict begins with loss in various forms, namely, a place to live, due to riots, deaths due to disputes, and many things that happened during that time. The impact of the damage occurred was seen in various sectors in Aceh. The result, development is not running optimally. Lambang (2009) He explained to form a society involved in the dispute requiring a separate way namely must be able to understand the characteristics of society.

To restore community confidence, due to prolonged trauma so as not to repeat the old history. Thus, the development of the region can be carried out and the belief of the community re-created so that they return confident and development can be implemented peacefully such as peace treaty.

In particular the remote areas of government efforts to provide economic empowerment, agriculture, plantation conducted to revive the local economy especially the heavily affected post-conflict. Various ways to develop plantations, farms, and farms for former GAM fighters and casualties in 2009. In 23 sub-districts carried out based on the positive effects group they get in this program the economy and their financial improve (Jonah, et al, 2015).

The Government continues to strive for the welfare and continues the positive direction of change. Including the assistance of palm trees, cattle and 2011 farmland, they channeled farm animals to 10 farmer groups in the village Nursery program (Aceh Trimbunnews, 2011). Some livestock are preserved in plantations in a place and seedlings of trees do not walk due to lack of knowledge of the plantation process and the Hereof, However, they are not equipped with knowledge of the integration of oil palm and livestock breeding (Jonah, et al, 2016).

Thus, the research focused on public perkebuna, and the influence of the community perception of farmers on the integration of oil palm plantations and livestock, in ACEH post-conflict. It aims to explain the positive prospects for the development of peace Sustainable Development Model Post-conflict development is peace building efforts in the former conflict region.

For this purposes, various parties involved in development are required to cooperate According to Kirbassov (ND) Reports UN Secretary General of the Armed, conflict ' (A/55/985-S/2001/574) They explained the conflicts can be prevented by two ways the development system continues and strengthens the cooperation. This has been proven on the institutional platform scale so that the UN and other organizations can coordinate set-corridors and to give contribution to peace Bitterman (2007) The completion of a prolonged conflict, can be done by building infrastructures, improving

the economy and welfare of the community, and this is a factor to prevent conflicts in the region. There are three things that are intertwined with each other; Generation, economic and social factors (Harris, 2003).

This type has been developed 1798 by Malthus the existence of the lack of balance of population triggered a dispute between social Meadow colleagues in 1972 published an article entitled The Limits to Growth. They concluded that natural resources availability is highly influential factor in economic growth. This has stirred the attention back to the model of sustainable development.

Furthermore, report entitled "Our Common Future" publicized by World Commission on Environment and Development in 1987 At this time, the model of a worldwide sustainable development propaganda was developed. They claim the main thing in Economic and current development is need to develop the thinking without the future. Fauzi (2009) forms a natural yet simple development so the idea of sustainability has a very multidimensional interpretation They claim the main thing in Economic and current development is need to develop the thinking without the future.

Fauzi (2009) forms a natural yet simple development so the idea of sustainability has a very multidimensional interpretation. First parts to consider in sustainable development are development and consumption patterns of on natural resources and environmental constraints and the second is concerned with the welfare of the future.

Although sustainable development models He discusses the development of the population and the need for solemn dating in the future (Moldan and Dahl, 2007). (WECD) Exposure Brundtland that the current development Papaaran does not discuss the development of instantly simultas in future generations while the purpose of sustainability forms a more optimal generation.

Goodland and Ledec (1987) states the sustainable system is the transformation of economic development; And the results of cooperation in the form of social benefit to the acquisition is not detrimental in the future. This was emphasized by Pirages (1977), which discusses the economic growth, which can be seen from the point of income in the Future (Weitzman, 1997).

The future development Model of the social principles is very influential in the political and state life. (Diningrat, 1992). Methods The purpose of this reseach is trying to expose various viewpoints in this region to Incorporation among plantations, farms and ongoing development of post-conflict in East Aceh. By taking samples in three districts in East Aceh; District of Bagok, District Nurussalam, and District Rantou Panyang.

The Data on this study begins with observation, first. Secondly, Interview with six informant, farmer, and government. The all relevant data supported with printed documents and electronic media. (Neuman, 1997) Results and Discussion Conclude Incorporation in Plantation and farm there are three processes that are; (1) Resolve plantations and farms naturally form naturally before technology exists.

(2) , While the process cooperation with the community of oil palm plantations, The existence of mutual synergy of non-governmental comm, unities or otherwise (palm trees) they should help each other by means of The cattle can to their plantations mutualism system is very useful between farmers and ranchers. When the process of cooperation with the community of oil palm plantations, the existence of mutual synergy of non-governmental communities or otherwise I (palm trees) they should help each other by means of The cattle can to their plantations mutualism system is very useful in each between farmers and ranchers.

(3) provides maintenance on the cattle simultaneously. The Cattle will be placed on the plantation and supervise. It is different in developing palm trees Smallholder tree plantations can be formed with several models, namely: Integration, external and transformative, (Iwantoro gratitude, 2014).

The community is more interested in the merger; they assume the impact of the merger is more useful, such as; (1) self-cleaning of the land, no longer need to sprayweeds with pesticides; (2) The cow manure can be used as fertilizer for palm trees. However the the oil very slowly if the fertilizer from cow manure, chemical fertilizer is better for the accelerated development of the oil.

Therefore, although there is manure from cow dung, still they use chemical fertilizers to boost the growth; (3) improve of revenue from the sales of the cows; (4) low maintenance which provides time for farmers to do other activities, both economically productive or social activities. This kind of integration model takes only 2 hours a day to take care of the cows. Here is interview with respondent in the field. Abdullah stated: "...

Usually, taking care of cows took us a lot of time, because we released cows in the morning and looked for them back in the afternoon to put in a cage. Feed must also be provided in the stable to feed at night, so that we in addition to releasing the morning, it should also work for the cow from 3 pm until sunset. As a result, we often missed afternoon prayers.

However, with this integration model we only need 2 hours it can be used for other

work, such as planting chillies, ginger and other short term plants. In addition, should there social event such as death, wedding party, as well as social activities and others, we no longer worried to leave a pet cow "(interview in Alue Siwah Serdang, June 3, 2016). Other respondent (Syarifudin, Siwah Serdang) added that: "... We, as a trustee of the village have a lot of social activities.

They can be implemented given plenty of time allocated as the result of **the integration of oil palm** trees and cows. In addition, Salat Asar (sunset prayer) can be maintained. This is because prior to this integration we must find feed for cattle and cows to look for cages. This is done from 3:00 pm to dusk, sometimes even at the time of the evening we have not yet returned home "(Interview, 03/07/2016).

However, according to Saifuddin, this integration also has a negative impact on them. They no longer able to plant other plants in the plantation. He stated: "... We are aware that palm trees require a lot of food (water consumption), so that should not be mixed with other crops. Trees may not bear fruit. Besides if there are cattle in oil palm plantations, the negative impact is no longer possible because cows may eat our plants. "(Interview, 3/07/2016).

While the other respondent (Jufri) mentions raising cattle in palm trees plantation will help maintain the plantation. As for him, as he releases his cows into other people's palm trees plantation, while keeping the cows, he also cleans the palm trees plantation as a form of his gratitude (remuneration). He knows that if palm trees plantationowner hose down the grass, his cows will experience feeding shortage.

Additionally cow dung is collected in cow stables taken by the local community for use as fertilizer on crops. He said 10 cows can produce about 1.5 tons of dirt within a period of 7 months (interview, June 3, 2016). Furthermore, according to Sutimin (Chairman of the Aquaculture Farms) that **the integration of palm** trees plantation and cattle is very good, because he thinks the cows housed in the area of ??plantation will benefit from manure fertilizer. Six cows expected to produce 1 ton of dirt within a half months.

If the cow dung is fermented as fertilizer, the palm trees plantation farmers can save 50% of chemical fertilizer use. Thus, this model is excellent for community economic empowerment programs, and they have never experienced a negative impact on the oil as a result of this kind of program (Interview in the village of Alue Dondong 2, District Rantau Panjang Perlak, July 16, 2016).

In line with the above facts, according to Budiman with **the integration of oil** and cattle are many benefits that can be felt by farmers synergistically. For example cows released

in palm plantation can help cleanse the plantations. Then the leaves of palm fronds can also be used to feed cattle. He had tried this, but it was rather complicated and requires machine.

As a result he prefers rice husk and pulp to feed the cow when stabled, besides easily obtained also better for cattle growth (Observations and interviews with Budiman, Member of the Group Buda Power Tani, the village of Alue Dondong 2, District Rantau Panjang Perlak, 17/07/2016). Almost the same with that of Saifuddin (previous respondent), according to Budiman, integration program of oil and cattle also have a negative impact that cows are released in the area of ? palm trees plantation will eat the leaves of the palm. This will affect the growth and production of palm oil because damage in leaves.

But the impact of this was not so significant or very small compared to the benefits obtained from cattle (Interview, 17/07/2016). Abdurrahman said that the benefits received from palm trees plantation and cattle integration was great economically, especially for their children's education. Should they need money for their children education, they just need to sell cow to raise money.

Similar with other respondent, he also believes that with the integration program is beneficial as they no longer need to mow the lawn or sprayed because cattle eat grass. This naturally reduces the operational costs of maintenance of palm trees plantation. They also benefit from access time that they could use to do other activities like planting ginger, turmeric and maize.

Therefore, according to Abdurrahman, that integrative system is very beneficial to farmers. This model is suitable for community economic empowerment programs, governments need to adopt this model in formulating policy for community empowerment. (Interview with Abdurrahman, Seuneubok In the village, District Nurussalam, July 18, 2016).

However, the integration of cattle and palm oil conducted by community farmers were not under initiation of the government. Cattle and farms were managed separately by separated department (Ministry of Plantation and Ministry of Animal Husbandry) with no coordination between the two institutions. As a result, cattle assistance from Ministry of Animal Husbandry are not integrated properly and scientifically with the aids of palm trees through the Ministry of Plantation. Integration occurred coincidentally when beneficiaries of cattle aids and palm trees were accidentally the same (Saifuddin, 2016).

This was also reinstated by field officers for palm trees aid. He stated that few people

who have obtained cattles also received palm trees. Farmers received Bali Cows, which is used as a breeding parent, either Bali Brahmin. As a result, the integration process has not yet providesignificant economic benefits as it was in many other areas in Indonesia (Basaruddin, 4/6/2016).

Taking a look into the model of sustainable development agreed by experts (Harris, 2003), which includes three aspects of development; economic, social and environmental, **it can be said that** Acehnese community has practiced integration system of palm trees plantation and cattle. Even though they are not familiar with sustainable development, they have been practicing for such integration **in the framework of sustainable development.**

Where integration does not only boost their economies, but also social development, because there is a partnership between plantation and cattle owners in addition, integration has also increased the intensity of social activity. On the the environmental aspect, **use of pesticides and** chemical fertilizers that can damage the earth element is reduced.

This ultimately led to the quality of soil fertility and water. Another aspect is a novelty study is the integration turned out to **have a positive impact on** spiritual development (praying). Taking conclusion, through the model of human security and UNEP (2009) which states that natural resources (environment) can contribute to peacebuilding through economic development and employment. While the cooperation in managing it is an opportunity for peace building.

Conclusions Palm trees aids and cattle aids to former GAM combatants and conflict-affected communities in Aceh is one of the economic reintegration activities undertaken by the Government of Aceh for the sustainability of peace. Economic reintegration activities undertaken by the government **is the transformation of economic development** as one of the targets of sustainable development.

Accidentally, the aidintegrated **with each other and** was beneficial to farmers to increase their income. The aids have also open up new jobs for other people in the vicinity. Integrated systems of **palm plantation and cattle** **carried out by the** farming community can be categorized into three models namely; natural integration without the knowledge and modern technology, integration through cooperation with cattle ranchers and smallholders, and intensivelycattle integration, where raising cattle stabled in the palm plantation. This integration model is considered very suitable for the economic empowerment of post-conflict societies.

It is because of this integration does not only increase revenue, but also has provided vast opportunities for farmers to conduct social activities and can keep praying as worship obligatory for Muslims. This fact has unwittingly affect the spiritual peace and social well as free from economic deprivation. This is in line with the objectives to be achieved in a sustainable development that provides a better quality of life (Choi and Ahn, 2013).

In addition, from the environmental aspect, this integration also have a positive impact on environmental preservation, because there has been a reduction in the use of pesticides in eradicating the weeds in the area of ??the palm. such an approach is in line with the model of human security is offered UNDP (1994) that involves the security environment in the construction of peace.

For that, The government of East Aceh need to pay attention to the integration model carried out by the farmers, so that they can implement it scientifically to gain maximum benefit economically, socially and environmentally. In addition, theoretically sustainable development should be implemented in a comprehensive manner based on the principles of equity, justice, integrated, long-term sustainability of the ecological, economic, socio-cultural and political (Diningrat, 1992; Pearce and Warford, 1993).

Hence sustainable positive peace will be realized and kept durable in Aceh, and issue of separatism among the people will disappear. References Bachrul, C (2014). Perkebunan Terintegrasi Solusi Swasembada Daging Sapi ,[http://www.nasionalisme.co/perkebunan-terintegrasi-solusi-swasembada -daging-sapi](http://www.nasionalisme.co/perkebunan-terintegrasi-solusi-swasembada-daging-sapi). (24 Juli 2016). Bangun, R (2010). Analisis Sistem Integrasi Sapi – Kebun Kelapa Sawit dalam Meningkatkan Pendapatan Petani di Kabupaten Rokan Hulu Provinsi Riau.

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