

Improvement of global society in Mentawai Islands through the development of green technology for dairy cattle production

Evitayani

Andalas University, Indonesia



Abstract:

Mentawai Islands Regency is part of the province of West Sumatra surrounded by the Indian Ocean. Although this area has great potential in the fields of plantations, agriculture and fisheries, most of the Mentawai community's needs are still supplied from other surrounding areas including milk needs. Sido Makmur Village as a Pilot Village is one of the government programs in developing rural areas which will be integrated with programs from eight Ministries. This comprehensive research is directed to develop the potential of dairy farming in a sustainable integrated organic farming system (sustainability of integrated organic farming system). The application of technology "Bisozyme" is a biotech product from yeast that plays an important role in stimulating growth, productivity and accelerating the crop harvest period and the growth and productivity of elephant grass. The ultimate goal is to improve the food security of the Sido Makmur Village community so as to reduce dependency from outside and become an independent village and sustainable dairy farming business area and improve the technology of dairy milk processing produced and formulate a policy direction for developing a sustainable dairy farming system

Speaker Publications:

1. Macro minerals (Ca, P, Mg and K) concentration mixed of elephant grass (*Pennisetum purpureum*) CV. Taiwan and Legume *Indigofera zollingeriana*, Aug 2019
2. In-vitro digestibility of palm leaf waste treated with different processing method, Jul 2018
3. Nutrient digestibility and apparent bioavailability of minerals in beef cattle fed with different levels of concentrate and oil-palm fronds, Feb 2017
4. Supplementation of solid Ex-decanter on performance of cattle fed palm fruit by-products, Jan 2015
5. S and p mineral supplementation of ammoniated palm leaves as ruminant feed, Jan 2014

[3rd International Conference on Agriculture, Food and Aqua](#); Dubai, UAE - August 10 -11, 2020.

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(<https://agriculture.foodtechconferences.com/>)



Biography:

Evitayani has completed his PhD at the age of 32 years from Tottori University, Japan. She is a lecturer in Faculty of Animal Husbandry, Andalas University, West Sumatra, Indonesia. She has published more than 15 papers in reputed journals. She has research area in nutritive value and digestibility of tropical forages for ruminant consumed.