



Department of Agrotechnology  
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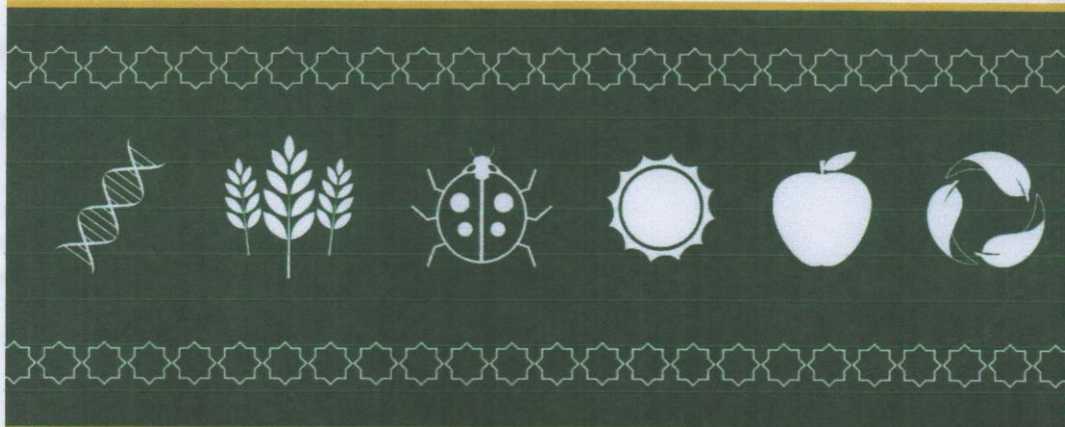


# PROGRAM & ABSTRACT BOOK



**“Eco-farming in Managing Global Change”**

**Yogyakarta (Indonesia), January 17-18, 2017**





**SFC-P-001** Application of Cow Rumen Liquid in Sugar Palm Dregs Compost on Sweet Corn Cultivation in Coastal Sandy Soil of Samas Beach Bantul

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**ABSTRACT**

The research was conducted to determine the effective concentration of cow rumen activator for sugar palm dregs composting and to determine the effect of sugar palm dregs compost with cow rumen activator on sweet corn cultivation in coastal sandy soil of Samas Beach, Bantul. The research was designed using Completely Randomized Design (CRD). The treatments were the dose of sugar palm dregs compost and various concentrations of cow rumen activators, which consisted of 11 treatments, i.e.: 20 tons/hectare and 60%, 20 tons/hectare and 70%, 20 tons/hectare and 80%, 20 tons/hectare and 90%, 20 tons/hectare and 100%, 25 tons/hectare and 60%, 25 tons/hectare and 70%, 25 tons/hectare and 80%, 25 tons/hectare and 90%, 25 tons/hectare and 100% and 20 tons/hectare of commercial compost. Each treatment was repeated four times. The results showed that cow rumen activator concentration of 60% was more effective in composting sugar palm dregs that known from C/N ratio, organic matter content and the effectiveness in making process. The treatments of sugar palm dregs compost with various concentration of cow rumen activator and commercial compost had no significantly effect to almost of all plant parameters, except the fresh weight of roots parameter. Moreover, the sugar palm dregs compost with various concentration of cow rumen activator produced weight of cob cornhusk higher than the description of yield potential Sweet Boy varieties.

**Keywords:** rumen, sandy soil, sugar palm dregs

**SFC-P-002** Comparison Fertilizing Package of Farmer Level and Agriculture Extensionist Level to Growth and Production of Shallot (*Allium ascalanicum*. L) at Sub Distric Tanjung-Brebes

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**ABSTRACT**

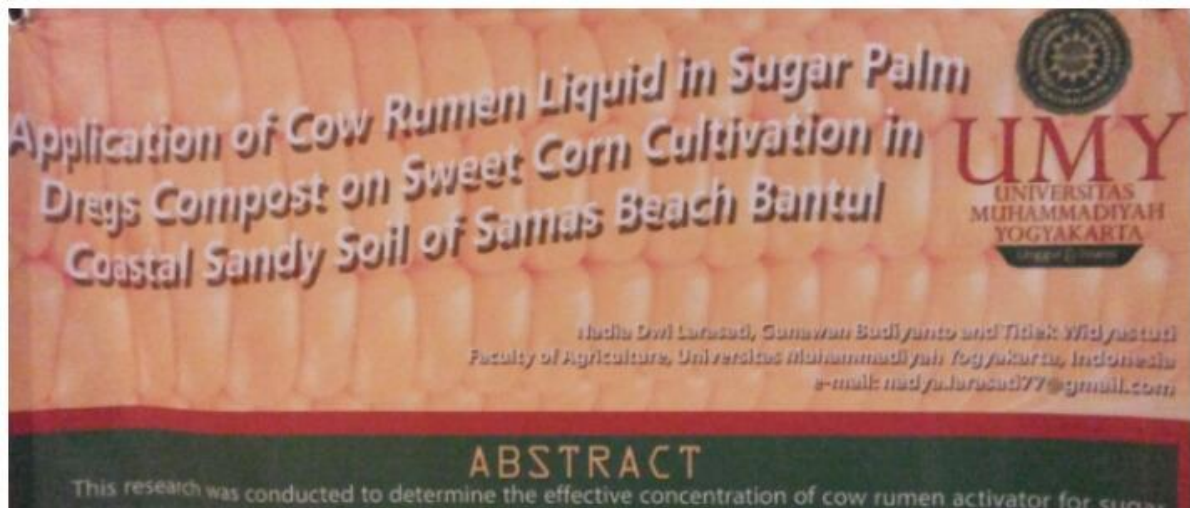
Shallot farmers in Brebes have a tendency to use patch-up fertilizer. Its mean that, the dose given to fertilization adjusted to the main capital of the Shallot farmers, so farmers often ignore the standard dose of fertilizer given to plants Shallot. The aims of this research are to giving the information about comparison fertilizing package of shallot between farmers and agriculture extensionist, and to evaluated fertilizing package to farmers in Brebes Regency. A research about Comparison Fertilizing Package of Farmer Level and Agriculture Extensionist Level to Growth and Production of Shallot at Sub Distric Tanjung, Regency Brebes has been done from Januari until March 2016. This research used survey method consist of observation, primary and secondary data collecting that analyzed using Descriptive, T-test, and Regression, sample location were determined by purposive based on the aim of research. The sample was taken by Stratified Random Sampling. The result indicated that the farmers were not influenced by agriculture extensionist in the other way farmers were influenced by cost, knowledge, culture and the number of the farmer.

**Keywords:** Fertilizing package, farmer fertilizing, agriculture extensionist and shallot.

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