The Analysis of Determinant Fresh Fruit Bunch (FFB) Production Factors Palm Oil (Elaeis Guineensis Jacq.) in Sungai Bahaur Estate (SBHE), PT Bumitama Gunajaya Agro, Region VI Metro Cempaga, East Kotawaringin, Central Borneo

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Abstract

The internship started from February 14th to June 14th 2011. The aim of this internship is to find out and analyze about the effects determinant fresh fruit bunch (FFB production factors) of palm oil (Elaeis Guineensis Jacq.) in SBHE, PT Bumitama Gunajaya Agro, Central Borneo. Data used for this internship is time series data from 2008-2010. Independent variables are fertilizer, rainfall, employees, ages of plant, SPH, and topography. Dependent variable is FFB production. The data were gained primary data (direct method) and secondary data (indirect method). It used two different method, Cobb-Douglas method with double linear regression analysis equation and t-test method. The double linear regression analysis result shows that the variables of employees has positive and very significant effect, variable of fertilizer has negative and is not significant effect, and variable of rainfall has positive effect is not significant towards the palm production. The t-test results shows that ages of plants, SPH and topography has significant towards the palm production. The coefficient determining (R²) test result shows that the variables of the FFB production as dependent variable can be describe by the independent variables (fertilizer, rainfall and employees) for 98.2 %.

Keywords: Palm Oil, FFB Production, Determinant Production Factors