

**Analysis of Land Area, Sugarcane Production and Sugar Production against
Farmers' Income
(Case Study in PG. Wringin Anom, Panarukan District, Situbondo County)
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ABSTRACT

The system of cooperation patterns between the Sugar Factory and Sugar Cane Farmers is expected to establish mutually beneficial cooperation between the two parties. The pattern of cooperation carried out by farmers is expected to be able to increase the income and technical capabilities of farmers in their farming business. Farmers as entrepreneurs have considered getting benefits from their farming business so that profits are always expected by farmers. This study uses data already available in Pg. Wringin Anom, covering data on land area, sugarcane production, sugar production and farmers' income in PG. Wringin Anom. The data were analyzed using multiple linear regression method. The results of this study indicate that the effect of land area, sugarcane production and sugar production with farmers' income has significant results. Judging from the results of the ANOVA calculation, namely the prob value. F.count (9,033,835), on these results that the value of prob. F.count is greater than the value of F.table 5%. The conclusion of this study shows that each variable of land area, sugarcane production and sugar production states that H1 is accepted, which means that there is a significant effect on farmers' income. Variable area of land and sugar production shows a positive coefficient value. However, it is different from sugarcane production which shows a negative coefficient value.

Keywords: Sugar, Land area, Income, Farmers, Production, Sugarcane