ABSTRACT

This study aims to determine the general picture of the role of POKTAN institutions and the state of paddy farming production in the ''Angsana Mekar'' farmer group Cibahayu Village Kadipaten District Tasikmalaya Regency and to determine the effect of factors of production on paddy farming production in one growing season and then see the development of production using the trend analysis. Data analysis method used in the analysis is descriptive quantitative then to determine the effect of factors of production on paddy farming using multiple linear regression analysis tools. The results showed that the coefficient of determination (R^2) of 0.973331 means that 97.3 Percent of variation in the level of production is influenced by variable land area, fertilizer, seeds and labor, the remaining 2.7 percent is influenced by other variables. Statistical test results Simultaneously using the F-test independent variables of land area (X_1), fertilizer (X_2), seeds (X_3) and labor (X_4) affect the agricultural production of paddy with a value of $F_{count} > F_{table}$ (447.0827 > 2.26). While the partial test results of the fertilizer variable (X_2) of 1,067 did not affect the paddy farming production because the variable has a probability value > α (0.2910 > 0.05).

Keywords: Production, Farmer Groups (POKTAN), Paddy Agriculture