

ABSTRACT

EDSTIN GARRY BALDHI, “Optimization of Paddy Inpari 13 Production Using Jajar Legowo Sysem in Farmers’ Group Mantup in Banguntapan, Bantul” under supervision of SITI HAMIDAH and DWI AULIA PUSPITANINGRUM. The objective of this study is to analyze the optimization of paddy Inpari 13 production using Jajar Legowo System. This research is using analytical descriptive method in analyzing. The effects of production factors toward the output of the production of paddy Inpari 13 using Jajar Legowo System. Determination of the research location is done using purposive sampling method and the determination of sampling is done by means of multiple random sampling. Analytical technique in this research is using double linear regression of Cobb Douglas function. The result of this study showed that the production of paddy Inpari 13 using Jajar Legowo System is not optimum. In the other hand, it showed that field rice, Inpari 13 seeds, NPK fertilizer, NPKS fertilizer, Urea fertilizer, family labors, non-family labors were influenced and significant to paddy rice production with F 196,292, partial analysis showed that field rice, Inpary 13 seeds, NPK fertilizer, NPKS fertilizer, Urea fertilizer, family labors, and non-family labors were significant to production.

Key Words : Production, factors of production, optimization, jajar legowo