

APPLICATION OF ORGAMA AND NPK ON CORN PRODUCTIVITY (*Zea mays* L.) VARIETY OF BISI 2

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ABSTRACT

*The purpose of this research is to know the production of corn (*Zea mays* L.) of bisi-2 variety with the provision of orgama fertilizer and NPK fertilizer. This research was conducted on the land in Jember Polytechnic State experiment field, Methods using Factorial Randomized Block Design (RAK) with 9 combinations and 3 replications. The time factor of orgama fertilizer (A) includes: without treatment, basic fertilizer, basic fertilizer and 2 MST. Dosage of NPK (V) includes: Without treatment, 200kg / ha and 400kg / ha. Analyze data using ANOVA and tested continued using DMRT 5%. The results of this study indicate that the treatment time of orgama (A) gave a real effect on plant height of 35 HST with height 96,69 on treatment (A2) and lowest 84.67 treatment (A2) and dry weight with average weight the highest was 158.61 at treatment (A2) and the lowest average was 124.72 with treatment (A0). While the dose of NPK (V) gives a real effect on the wet weight parameters of cobs weighted with the highest average of 358.42 treatments (V1) and the lowest average of 308.36 treatment (A0), wet weight of cob without klobot with highest average of 309.44 treatment (V1) and the lowest average 269.67 treatment (V0), and dry weight without klobot with average the highest 274.75 treatment (V1) and the lowest average of 230.91 treatment (V0). Interaction between the time of administration of the orgama (A) and the dosage of NPK (V) gives a real effect on the parameters wet weight without klobot and weight of 100 seeds.*

Keywords: Applications, Orgama, NPK, Varieties of Bisi 2