

Response Of Growth And Production Of Corn (*Zea Mays*L) Against The Giving Of Rice Husk Ash And Local Microorganisms Of Banana Hump
guided by Ir.RrLiliekDwi S, MP. and Ir. Herlinawati, MP.

Moh Abdullah

Study Program of Food Crop Production Technology
Majoring of Agricultural Production

ABSTRACT

This study was aimed to know the production of corn (*Zea mays* L.) varieties bisi 18 by giving Rice Husk Ash and local microorganisms of banana hump. This research was conducted for 4 month from October to January 2019. All activities are carried out on the land of Sempolan Village, Silo District, Jember Regency. This study used a factorial randomized block design (RBD) with 2 factors 9 treatments and 3 repetitions. The P factor consists of 3 levels, namely the dose of Rice Husk Ash 0 kg / plot, 3 kg / plot, 5 grams / plot. The K factor consists of 3 levels, namely the banana hump MOL concentration 0 ml / liter of water, 100 ml / liter of water, 150 ml / liter of water, with a combination of treatment POKO, POK1, POK2 P1K0, P1K1, P1K2, P2KO, P2K1, and P2K2. Data were analyzed using ANOVA and then further tested using DMRT level of 5%. The results showed that the treatment of adding a dose of rice husk ash (P) which had a significant effect (*) on the observed parameters of plant height at 28 day after planting, plant height at 42 day after planting, stem diameter at 14 and 28 day after planting. Besides that it also has a very significant (**) effect on cob length observation parameters per sample, the cob wet weight per sample, the cob dry weight per sample, and the seed dry weight per sample. While the treatment of local microorganism concentrations of banana hump (K) gave significant effect (*) on the observed parameters of plant height at 56 day after planting, stem diameter at 56 day after planting, the seed dry weight per plot, and has a very significant effect (**) on the observed parameters of cob length per sample, cob wet weight per sample, cob dry weight per sample, and dry seed weight per sample. besides that there is also the interaction between rice husk ash (P) and banana hump MOL (M) has a significant effect (*) on the observed parameters of cob wet weight per sample and very significant (**) effect on cob length parameters per sample.

Keywords: Corn, Rice Husk Ash, Banana hump MOL.