

Efforts to Increase Production Through Fertilization Time Against Several Corn Varieties (Zea mays L).

Putri Purnama Sari

*Study Program of Food Crops Production Technology
Department of Agricultural Production*

ABSTRACT

*This study aims to determine the production of maize with the effect of fertilization time and use of 3 maize varieties, namely pertiwi 3, bisi 18, and pioneer 36 varieties. This research was conducted for 4 months from November 2019 to February 2020. All the activity was carried out on the land of Tempurejo Village, Tempurejo District, Jember Regency. This study used a factorial randomized block design (RBD) with 2 factors 9 treatments and 3 replications, there were 3 levels of P factor, namely 1x fertilization, 2x fertilization, and 3 times factor V, namely 3 levels of pertiwi variety. , varieties bisi18 and varieties pioneer 36. Data were analyzed using ANOVA and further tested using DMRT levels of 5% and 1%. The results of this study indicate that the treatment time of fertilization has a very significant effect (**) on the parameter of 2MST plant height and ear length observation, and has a significant effect (*) on the observed parameters of 4MST plant height, 6MST plant height, weight ear wet per sample, ear dry weight per sample. Provided no significant effect (NS) on the parameters of wet cob weight per plot and dry ear weight per plot, dry weight per sample, dry weight per plot and weight of 100 grains. In the treatment the use of several varieties gave no significant effect on the parameters of plant height, ear length, wet ear weight per plot, dry ear weight per plot, ear wet weight per sample, ear dry weight per sample, dry weight per sample. , dry weight per plot and weight 100 grains. Interaction of Fertilization Time and Use of Several Varieties gave no significant effect on the parameters of plant height, ear length, wet ear weight per plot, dry ear weight per plot, ear wet weight per sample, ear dry weight per sample, dry shell weight per sample, dry weight per plot and weight 100 grains.*

Keywords: *Corn, Several Varieties, Time to Fertilize.*

