

***Pruning Plant Leaves above the Cobs and Applying the Dosage of Urea  
Fertilizer on Corn  
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***ABSTRACT***

*This study was aimed to know the effect of pruning plant leaves on the cob and applying the dosage of urea fertilizer on corn production. This research was conducted for 4 months from October 2019 to January 2020. All activities were carried out in Sempolan village, Silo sub-district, Jember regency. In this study, the researchers used a factorial randomized block design (RBD) with 2 factors: pruning plant leaves on the cob and urea fertilizer dosages, 9 treatment combinations, and 3 replications. The pruning factor consists of 3 levels, namely pruning with 2 leaves, pruning with 3 leaves, and pruning with 4 leaves. The urea fertilizer dosage factor consists of 3 levels, namely 300 kg / ha, 400 kg / ha, 500 kg / ha. Data were analyzed by using ANOVA and then the data were further tested by using 5% DMRT. The results showed that the treatment of pruning with 2 leaves had a significantly different effect on the diameter parameters of the cobs, the weight of wet cobs without corn husk per plot, the weight of dry cobs without corn husk per plot, the weight of dry corn shell per sample, and the weight of dry corn shell per plot. However, pruning with 2 leaves did not have a significant effect on plant height parameters of 25 and 50 HST, cob length, weight of wet cobs without corn husk per sample, weight of dry cobs without corn husk per sample and weight of 100 seeds. The treatment of urea fertilizer dosage gave no significant effect on all observational parameters. There was an interaction between pruning treatment with 3 leaves and 500 kg / ha of urea fertilizer on the observation parameters of dry corn shell weight per sample that was 152.05 grams.*

***Keywords : corn, pruning, and urea fertilizer***