The implementation of jajar legowo and p fertilizer on growth and yield of corn birdlime *(Zea mays ceratina kulesh)*

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ABSTRACT

Pulut corn is a type of corn that is fluffier and has the advantage of being able to keep blood sugar levels stable. The need for corn commodity continues to increase in line with the increase in population.The purpose of this study was to determine the effect of jajar legowo spacing and application of P fertilizer on growth and production of corn pulut plants. This research was conducted in September 2022-November 2022 in Antirogo Village, Sumbersari District, Jember Regency. The research design used was a factorial randomized block design (RBD). The first factor is the spacing consisting of conventional spacing of 70cm x 20 cm and row spacing of 2:1 with a spacing of 40cm x 20 cm x 100 cm. The second factor is the application of P fertilizer with 5 levels, respectively 100kg/ha, 125kg/ha, 150kg/ha, 175kg/ha, and 200kg/ha. The results showed that there was an interaction between the treatment of jajar legowo spacing 40cm x 20cm x 100cm and the application of P fertilizer 200 kg/ha on the observation of plant height 4 WAP and stem diameter. Treatment Jajar legowo spacing of 40cm x 20cm x 100 cm had a significant effect on the observation of cob diameter and cob weight per 4 m2. P fertilizer treatment had a significant effect on plant height at 3 WAP, cron cob weight per sample and ear weight per 4 m2.

Keywords: *corn, p fertilizer, planting distance,*