Aplikasi Waktu Pemangkasan Pucuk Dan Variasi Dosis Pupuk KNO3 Terhadap Produksi Dan Mutu Benih Mentimun (*Cucumis Sativus* L.) B645
(Application of Shoot Pruning Time and Variation of KNO3 Fertilizer Doses on Production and Seed Quality of Cucumber (Cucumis Sativus L.) B645). Dr. Ir. Nurul Sjamsijah, MP. as chief advisor and Andrian Hendi S, S.P as a member advisor.

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ABSTRACT

The study of Application of Upper Pruning Time and Variation of Kno3 Fertilizer Dosage towards Production and Seed Quality of Cucumber (Cucumis Sativus L.) B645 was carried out in the experimental field Research and Development 2 at CV. Aura Seed Indonesia, Kediri-East Java with an altitude of 125 meters above sea level, soil pH ranging from 6.3, temperature 27° C – 30° C, relative humidity 63 – 78% from September to December 2021. The research design used was a Randomized Complete Block Design (RCBD), with two treatment factors, each factor consisting of 2 levels and 3 levels and was repeated 4 times. The data obtained from this study were analyzed by analysis of variance (ANOVA) and to find out the significant differences further test was carried out with the smallest significant difference of BNT at the 5% level. Based on the results of variance (ANOVA) it was found that shoot pruning time had a very significant effect on the parameters of fruit length (25.14 cm), and fruit diameter (9.70 cm), and significantly affected the parameters of dry seed weight per fruit (2.173 grams), and the weight of pithy seeds per fruit (1,878 grams). The dose of potassium fertilizer has a very significant effect on the parameters of fruit weight (598.375 grams), dry weight per fruit (2,360 grams), and fruit weight of pithy seeds (2,065 grams). The interaction between pruning treatment, shoot pruning time and dose of potassium fertilizer had no significant effect on all observed parameters.

Keyword: Interaction, seed, weight, pruning