

Pengaruh Umur Pemangkasan Pucuk Dan Jumlah Buah Terhadap Hasil Dan Mutu Benih Mentimun (*Cucumis sativus* L.), *The Effect of Pruning Age and Number of Fruits Maintained on Cucumber (*Cucumis sativus* L.) Seed Quality: Advice Common* Ir. Mochamat Bintoro, MP. and Oktavianus Wawan D. S., SP.

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ABSTRACT

*Cucumber (*Cucumis sativus* L.) is one of the vegetables consumed by the people of Indonesia, because the nutritional value of cucumber is quite good as a source of minerals and vitamins, the need for cucumbers tends to continue to increase in line with the increase in growth, improvement in living standards, education level, and awareness. community about the importance of nutritional value. This research was conducted in October 2020 – February 2021 at the Research and Development area of PT. Wira Agro Nusantara Sejahtera Kediri. The experimental design used was a factorial Randomized Block Design (RBD) consisting of 2 factors, each consisting of 3 levels repeated 3 times. The first factor was shoot pruning age with 3 levels, 25 DAP (U1), 28 DAP (U2) and 31 DAP (U3). The second factor was the number of fruits which consisted of 3 fruits/plant (B1), 5 fruits/plant (B2) and 7 fruits/plant (B3). The data obtained were then tested using ANOVA and DMRT tests with an error rate of 5%. Different treatments of shoot pruning age were not significant in all parameters. The number of fruit treatments had a very significant effect on the parameters of fruit diameter, fruit weight per plant, fruit length, seed weight per fruit, weight of 1000 grains and production per hectare. The treatment on 3 crops (B1) gave the best results on the parameters of fruit diameter (5.60 cm), fruit weight per plant (1432.74 grams), fruit length (22.65 cm), seed weight per fruit (2.52 cm). grams, weight of 1000 grains (19.07 grams) while the best average production per hectare was 7 pieces per plant (B3), which was (361.68 kg), the parameters of germination and growth speed had no significant effect. The interaction between shoot and fruit pruning age had no significant effect on all observed parameters on cucumber plants..*

Key words : *Cucumber, Pruning Age, Number of Fruits, Seed Quality*