Pengaruh Pemangkasan Pucuk dan Pemeliharaan Cabang Terhadap Hasil dan Mutu Benih Mentimun Kode B17 (*Cucumis sativus L*).- *Effect of Pruning and Branch Maintenance on Production and Quality Of Cucumber Seed Production Code B17 (Cucumis Sativus L.). Advicer Common*: Ir. Moch Bintoro, M.P *and* Oktavianus Wawan D. S., S.P

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ABSTRACT

Along with population growth, the demand for cucumbers in Indonesia is increasing, but the availability of vegetables by farmers cannot meet this increase. This study aims to determine the effect of top pruning and maintenance of the best branches on the quality of cucumber seeds. This research was conducted on the land of PT.Wira Agro Nusantara Sejahtera, Jl. Papaya, Pulosari Village, Kec. Pare, Kab. Kediri November 2020 – January 2021. The experimental design used was a Factorial Randomized Block Design (RBD) with two factors. Each factor consists of 3 levels which are repeated 3 times. The first factor is shoot pruning which consists of pruning the shoots on the 15th segment (P1), pruning the shoots on the 20th segment (P2), and pruning the shoots on the 25th segment (P3). (C1) maintenance of 4 branches, (C2) maintenance of 6 branches, (C3) maintenance of 8 branches. Data were analyzed using the F test (ANOVA) and further test (DMRT) with an error rate of 5%. The results showed that the shoot pruning treatment did not have a significant effect on all observation parameters. The 4 branch maintenance treatment (C1) had a very significant effect on all observation parameters, namely the parameters of fruit diameter (6.10 cm), fruit length (22.15 cm), weight of 1000 grains (19.07 g), germination (95.89 %), growth speed (23.55). %), and gave a significant effect on the parameters of fruit weight (382.38 g). The interaction of shoot pruning and maintenance does not have a significant effect on all observation parameters

Key words *: Cucumber Seeds, Top Pruning, Branch Maintenance.*