Pengaruh Pemangkasan Pucuk (*Topping*) dan Penjarangan Buah terhadap Produksi Benih Paria (*Momordica charantia* L.) (*The Effect of Topping and Fruit Number Restriction on Production Bitter Gourd Seeds* (*Momordica charantia L.*))
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ABSTRACT

Bitter gourd (Momordica charantia L.) *is a plant that is widely used by the community as a medicinal plant, apart from being a vegetable. The research aims to determine the correct topping and fruit number restriction for bitter gourd. This research was carried out from October 2023 to January 2024 at the Agricultural Land in Antirogo, Sumbersari, Jember and Laboratory of seed technology, Jember State Polytechnic, Jember. The experimental design used was a factorial randomized block design consisting of 2 factors. The first factor is pruning the shoots: the 12th (P1), 15th (P2) and 18th (P3) segments. The second factor is fruit number restriction which consists of 6 pieces (B1), 8 pieces (B2) and 10 pieces (B3). The results of the data obtained were analyzed using Anova and then carried out further tests using the 5% DMRT test (Duncan Multiple Range Test). The results of the research showed that the topping treatment at the 12th node was the treatment that showed the best results in terms of the number of seeds per fruit, 24.18 grains, seed weight per plant 19.05 grams and germination capacity 76.7%. In the number restriction treatment of 6 pieces per plant, this was the treatment that showed the best results on the parameters of number of seeds per fruit, 24.36 grains and seed weight per plant, 18.92 grams. The interaction between topping and fruit number restriction treatments showed that the results were not significantly different in all observed parameters.*

Keywords : *Bitter gourd, Seed Production, Shoot Pruning, Fruit Number Restriction*