

**Pengaruh Pemangkasan Pucuk dan Dosis Pupuk SP36 Terhadap Produksi dan Mutu Benih Mentimun (*Cucumis Sativus L.*) (The Effect of Bud Pruning and Dose of SP-36 Fertilizer on Production and Quality of Cucumber Seed (*Cucumis sativus L.*))**

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## **ABSTRACT**

*The effort to increase production and quality of cucumber seed is by bud pruning and appropriate dose of SP-36 fertilizer. This research aims to determine the effect of bud pruning and dose of SP-36 fertilizer on the production and quality of cucumber seed. This research was conducted in November 2018 until February 2019 at field of PT. Benih Citra Asia, Ajung Jember Regency, East Java. This research was applied Randomized Block Design with 2 factors and 3 replications. The first factor was bud pruning with 3 levels there were, pruning on 14<sup>th</sup> segments (P1), pruning on 17<sup>th</sup> segments (P2), and pruning on 20<sup>th</sup> segments (P3). The second factor was dose of SP-36 with 3 levels there were dose of 200 kg/ha (S1), dose of 400 kg/ha (S2), and dose of 600 kg/ha (S3). The observation parameters were number of filled out seed per fruit, weight of 1000 seeds, production per hectare and viability. The result of this research shows that bud pruning is non significant for all parameters. The dose of SP-36 fertilizer is significant for viability with value 98,22%. There is no interaction between bud pruning and dose of SP-36 fertilizer to the production and quality of cucumber seed.*

**Key Words :** *Bud Pruning, Cucumber, Dose of SP-36 Fertilizer*