

**Pengaruh Konsentrasi POC Kotoran Sapi dan Pemangkasan Tunas Air Terhadap Produksi dan Mutu Benih Mentimun 1046 (*Cucumis sativus* L.)** *The effect of liquid organic fertilizer concentration and water shoot pruning on cucumber seed 1046 production and quality* Advicer Common : Ir. Sri Rahayu, MP. and Yadi Iswadi, SP.

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### **ABSTRACT**

*The Market demand for cucumbers in Indonesia is increasing, but it has not been matched by maximum seed production, so seed production needs to be increased again. This study aims to determine the effect of liquid organic fertilizer concentration and water shoot pruning on cucumber seed production and quality by using parameters (1000 seed weight, seed weight per hectare, fruit weight, germination capacity, number of seeds, first flower appearance), and cucumber plant height). This research was conducted on land owned by PT. Seed of Citra Asia Farm Rowosari, Jember from September to December 2019. This research uses Factorial which consist of 2 factor. The first factor consists of 4 levels, the first without giving POC cow manure ( $P_0$ ), POC concentration 5% ( $P_1$ ), POC concentration 10% ( $P_2$ ), and POC concentration 15% ( $P_3$ ). The second factor consists of 2 levels, without pruning water shoots ( $W_0$ ) and pruning water shoots ( $W_1$ ). The results showed that the gift of various concentrations of cow dung POC had no significant effect on all observed parameters, but water shoot pruning ( $W_1$ ) had a very significant effect on the parameters of sample fruit weight and cucumber plant height. No interaction between the two treatments was used.*

**Key word:** *Cucumbers, Liquid organic fertilizer, Pruning water shoots*