

Pengaruh Umur Panen dan Lama Waktu Curing Terhadap Produksi dan Mutu Benih Mentimun (*Cucumis sativus* L.) Galur MTH 15 (*Effect of Harvesting Age and Curing Time on Production and Seed Quality of Cucumber (*Cucumis sativus* L.) MTH 15 Strain*) Supervised by : Ir. Suwardi, MP.

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ABSTRACT

One of the efforts to improve the quality of seeds can be reached by determining the age of harvesting and post-harvest handling in the form of curing. This research aims to the effect of harvest age and curing time on the production and quality of cucumber seeds MTH 15 strain. This research was carried out in the Research and Development (RD) area of PT. Aditya Sentana Agro Malang from September 2021 – December 2021. The research used factorial Randomized Complete Blog Design (RCBD) with four replications. The first factor is the harvesting age with a harvest age of 30 DAP and 33 DAP. The second factor is the length of curing time with a level of 0 days, 2 days, and 4 days. The results of the data obtained were analyzed using the F test or ANOVA then further tests were carried out using the DMRT test. The results showed that the age of harvesting and the length of curing time had a significant effect on several observation parameters. The interaction between harvesting age of 33 DAP and curing time of 2 days gave the best results on the parameters of a weight 1000 grains of 26,58 g and a germination test of 98,13%.

Key words : *cucumber, harvesting age, curing time, seed production, seed quality*