

Pengaruh Umur Tanaman dengan Pemberian Paclobutrazol dan Pemangkasan Tunas Air Terhadap Hasil dan Mutu Benih Mentimun Hibrida (*Cucumis sativus* L.). (*The Effect of Age plant with on Giving Paclobutrazol and Pruning of Water Shoots on the Results and Quality of Hybrid Cucumber Seeds (Cucumis sativus L.)*) Advicer Common : Ir. Sri Rahayu, MP. and Yadi Iswadi, SP.

Ahmad Nizar Saifulloh

*Study Program of Seed Production Technique
Majoring of Agricultural Production*

ABSTRACT

Demand of cucumber is increassing, but is has not been followed by adequate seed production, so seed production needs to be increased again. This research was conducted in field PT. Benih Citra Asia farm Rowosari, Jember from September until December 2019. This research uses RCBD Factorial which consist of 2 factor. First factor consits of 4 level, without of giving paclobutrazol (U_0), age on giving paclobutrazol 10 days after planting (U_1), age on giving paclobutrazol 15 days after planting (U_2) and age on giving paclobutrazol 20 days after planting (U_3). Second factor consist of 2 level, without pruning of water shoot (P_0) and with pruning of water shoot (P_1). The result show of age on giving paclobutrazol 15 days after planting (U_2) give effect a very significant influence on the parameter appearance first flower, amount of seed per plant, then give effect a significantly on the parameters weight of seed per plant, weight of 1000 seeds and production seed per hactare. The treatment pruning of water shoots (P_1) give effect a very significant influence on the parameters of plant height of 6 weeks after planting and appearance first flower. Furthermore, there is no interaction among two treatment. But, based on the numerical value of age plant with on giving paclobutrazol 15 days after planting and with pruning of water shoot show of an effect on the production seed per hectare of 340,02 Kg and persentage germination of 99%.

Key word: *Cucumber, Age on Giving Paclobutrazol, Pruning of Water Shoots,*