Uji Efektifitas Paket Pupuk dan Waktu Polinasi Terhadap Produksi dan Mutu Benih Mentimun (*Cucumis sativus* L.).*The effectiveness test of Fertilizers Packages and Pollination Time on Production and Cucumber Seed Quality (Cucumis sativus L.).****Advisor : Ir. Hari Prasetyo, MP and Ir. N. Bambang Eko Sulistyo, Msi.***

Angga Bagus Budi Artha
Study Program of Seed Production Technique
Majoring of Agricultural Production
Program Studi Teknik Produksi Benih
Jurusan Produksi Pertanian

ABSTRACT

Cucumbers are notused as a vegetable, but cucumbers can also be used as ingredients in cosmetics, medicinal materials, and others. Cucumber production declined in 2009-2012. Increased production of cucumber can be done through several ways, including the use of high quality seeds. Test Research on The effectiveness test of Fertilizers Packages and Pollination Time on Production and Cucumber Seed Quality (Cucumis sativus L.) this conducted over three months from July to September 2016. The research was conducted in field trials and laboratory PT. Benih Citra Asia, Akmaludin street 26, District Ajung, Jember. This study used a randomized block design factorial (RAK Factorial). There are two factors in the study, the first factor is the Fertilizer Package. Fertilizer Package that includes the first (S1) and second Fertilizers Package (S2), the second factor is the pollination time include hours of 6:00 to 07:00 (W1), 08:00 to 09:00 (W2), and 10:00 -11.00 (W3). Be repeated 4 times to obtain 24 units of trial. Observation data in each variable was analyzed using ANOVA followed by a further test BNT 5%. The results show that treatment significantly influence the fertilizer package variable length observation of plant age 28 HST 42 HST and 1000 grain weight of seed. While the treatment time of pollination significant effect on the variable observation, the number of pieces, weight of 1000 grain seeds and pollination success. For the treatment of the interaction between fertilizer packages and pollination time did not significantly effect on all variable observation.

Keywords: *fertilization, pollination time, cucumber, seed production*