

Application Test of some Compound Fertilizers and Pruning Tops on Melon Seed Production (Cucumis melo L.) Hydroponic System ; Supervised by Dr.Ir.Nantil Bambang Eko S.,M.Si

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ABSTRACT

Melon (Cucumis melo L.) is a fruit plant from the Cucurbitaceae family. Melon can be refreshing when eaten so it is in great demand by the public because the fruit tastes sweet, contains a lot of water and is rich in vitamins. Melon plants have an important effect on farmers' income, because as an expansion of job opportunities, the other important meaning is to meet the nutrition of the people. The purpose of this study was to determine the effectiveness of adding compound fertilizers and shoot pruning on melon (Cucumis melo L.) seed production in a hydroponic system. This study used a factorial randomized block design (RBD) method, namely the addition of compound fertilizers P0 (Control), P1 (NPK Mix), P2 (Ultradap) and T1 (without shoots pruning), T2 (Pruning shoots). Each treatment was repeated 4 times. From the results of this study, it was found that the interaction between the addition of compound fertilizers and shoot pruning (PxT) with very significantly different results on the parameters of seed weight per fruit, weight of pithy seed, and production per hectare. Significantly affect the parameter Number of seeds only. For the compound fertilizer (P) treatment, the results were very significantly different on the 1000 grain weight parameter only. Getting results that are significantly different are the parameters of seed weight per fruit, weight of pithy seeds and production per hectare. Then the shoot pruning treatment (T) obtained non-significant results on all parameters.

Keywords: *Seed Production Melon, Addition of Compound Fertilizers, Pruning Shoots.*