

Application of MKP Leaf Fertilizer and Topping on The Production of Hybrid Melon (*Cucumis melo* L.) Seeds. Advisor: Dr. Ir. Rahmat Ali Syaban, M.Si. and Taufik, SP.

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ABSTRACT

Melon (*Cucumis melo* L.) is a fruit commodity that is much favored by the community, but in its cultivation it is obtained optimization of nutrient absorption so as to produce optimal production as well. The purpose of this study was to determine the effect of MKP leaf fertilizer, topping and their interaction on melon production. The research was carried out from October 2020 to July 2021 in the greenhouse area of PT. Benih Citra Asia in Hamlet of Gardu Timur, Rowosari, Sumberjambe, Jember, East Java. The study used a factorial Completely Randomized Design (CRD) with two factors. The first factor was the dose of MKP leaf fertilizer, consisting of four levels, namely: control (M0), dose of 2 grams/liter (M1), dose of 3 grams/liter (M2) and dose of 5 grams/liter (M3). The second factor was topping, consisting of two levels, namely: no-topping (T1) and topping (T2). Each treatment combination was repeated three times. The test uses analysis of variance (ANOVA) and continues with Duncan's Multiple Range Test (DMRT) at 5% level. The experimental results showed that the dose of MKP foliar fertilizer had an effect on melon seed production with the best dose of 2 grams/liter. Topping affects the production of melon seeds. There is an interaction between the dose of MKP leaf fertilizer and topping on melon seed production.

Key words: Dose of MKP Leaf Fertilizer, Topping, Melon