Pengaruh Pemangkasan Pucuk dan Proporsi Bunga Jantan terhadap Produksi Benih Melon Hibrida Kode 0606 (*Cucumis melo* L.) *The Effect of Pruning Shoots and The Proportion of Male Flowers on The Production of Hybrid Melon Seed Code 0606 (Cucumis melo* L.*). Supervisor* Ir. Sri Rahayu, MP.

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ABSTRACT

Melon needs are very high but not supported by existing production so it takes effort to increase the production of melon seeds to meet the needs. the purpose of this study was to determine the effect of pruning shoots and the proportion of male and female flowers on seed production and quality. the research was conducted in October 2021-January 2022 on land C PT. BCA, located in Rowosari Village, Sumberjambe District, Jember Regency. The design used is a random Design Group (RAK) factorial with 2 factors and 6 replications. The first factor is pruning shoots consisting of 2 levels, namely P_0 (without pruning shoots) and P_1 (pruning shoots). The second factor is the proportion of male flowers consisting of 2 levels, namely B_1 (1 male flower and 1 female flower) and B_2 (2 male flowers and 1 female flower). The data were analyzed using ANOVA test and followed by LSD (Least Significant Difference) with 5% level. The results showed that the treatment of shoot pruning gives a real different influence on the level of P_1 (pruning shoots) to the parameters of fruit diameter with a value of 8.49 cm, very different on the same level to the parameters of fruit weight with a value of 328.75 grams and the weight of 1000 grains with a value of 12.03 grams. The treatment of male flower proportion gave a very distinct effect on the lefel of B_2 (2 male flowers and 1 female flower) on the number of seeds per fruit with a value of 129.30 grains, the weight of seeds per fruit with a value of 1.40 grams and seed production per hectare with a value of 64,33 kilograms. The interaction between the two treatments showed different unreal effects (ns) on all parameters.

Key Words : *Melon, Prunning Shoots, Proportion of Male Flowers*