

Pengaruh Pemeliharaan Cabang dan Umur Panen Terhadap Produksi dan Mutu Benih Melon Hibrida (*Cucumis melo* L.)
(*The Effect of Branch Maintenance and Harvest Age on the Production and Quality of Hybrid Melon Seeds (Cucumis melo L.)*)
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ABSTRACT

Research to determine branch maintenance and harvest age in hybrid melons was conducted from October 2021 to January 2022, at the production research field of PT. Agro Tuna. This study used a factorial Randomized Block Design (RBD) consisting of two factors and replications three times. The first treatment was branch maintenance (C) consisting of branches 4, 5, and 6 (C1), branches 7, 8, and 9 (C2), branches 10, 11, and 12 (C3). The second treatment was harvest age consisting of 59 days after harvest (P1), 69 days after harvest (P0), and 79 days after harvest (P2). The results of ANOVA (Analysis of Variance) and DMRT (Duncan's Multiple Range Test) were carried out at the 5% level. The results of the study showed that the maintenance of branches 7, 8, and 9 (C2) significantly affected the fruit weight (6.189 kg), fruit diameter (11.38 cm), number of seeds per plant (216), seed weight per plant (5.754 grams), germination rate (91.5%), seed uniformity, germination power (92%), and germination percentage (91%) compared to (C1) and (C3). Meanwhile, the harvest age of 69 days after planting (P0) significantly affected the number of seeds per plant (221 grains) and seed weight per plant (5.984 grams) compared to (P1) and (P2).

Keywords: Melon, Hybrid, Branch Keeping, and Harvest Age.