

The Effectiveness Of Fertilizers And Fruit Harvest Age Toward Melon Seed Production And Quality (*Cucumis melo L.*)

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ABSTRACT

In 2013, the national melon production had decreased. One effort to increase the melon seed production was to pay attention to its technical culture. This research was conducted from August to November 2016 in Suco Village, Mumbulsari Sub-district and in PT Benih Citra Asia Laboratory, Akmaludin 26 street, Ajung Sub-district, Jember Regency, by using Factorial Randomized group Design (RAK). The first factor was the First Fertilizer Paket (Organic 1000 gr, ZA 15 gr, SP-36 30 gr, KCL 15 gr, NPK 20 gr) per plant and Second Fertilizer Paket (Organic 1000 gr, ZA 40 gr, SP-36 60 gr, KCL 38 gr, NPK 12 gr) per plant. The second factor was the harvest Age (30,35,40) days after pollination. The results showed that the second fertilizer paket had a very significant effect (**) on the increase of plant height in age 14-28 HST, that was 89.80 cm, age 28-42 HST, that was 174.31 cm and fruit with the highest mean was 3.56 kg. The second factor showed that the 30-day harvest age t after pollination gave a very significant difference (**) to the highest number of pithy seeds, that was 876.52 gr and the weight of pithy seeds with the highest mean was 13.11 gr. The interaction between fertilizer paket and harvest age did not affect all parameters.

Keywords: Fertilizer, Harvest Age, Melon, Seed Production