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PENGARUH VARIASI JARAK TANAM DAN JUMLAH BUAH TERHADAP PRODUKSI DAN MUTU BENIH TANAMAN PARIA (Momordica charantia L.)

One of effort to fulfiil the national bitter melon production is by cultivation system improvement. The research aims to find out the interaction of plant spacing and the number of fruit toward seed quality of bitter melon (Momordica charantea L.). This research conducted from October 2020-February 2021 in PT. Wira Agro, Kediri. The research used factorial Randomize Complete Blog Design (RCBD) with three replications. The first factor is plant spacing, they are 30 cm x 80 cm, 40 cm x 80 cm and 50 cm x 80 cm. the second factor is the number of fruits they are 4 fruits, 6 fruits and 8 fruits. The data will be analyzed using ANNOVA and continued with DMRT 5%. The reseach showed that the treatment of plant spacing variance has very significant effect on the seed quality. The treatment of plant spacing 50 cm x 80 cm showed the best result on the parameter of weight of 1000 seeds 167,39 gram, the percentages of seed germination 93,17% and the percentages of growing speed 18,16%. The treatment of number of fruits has very significant effect on the parameters of weight 1000 seeds 170,12 gram, the percentages of seed germination 95,33 % and the percentages of growing speed 21,41%. The interaction of plant spacing and the number of fruit gave very significant effect on the parameters of seed production per hectare 3,94 Kw/Ha, the weight of 1000 seeds 170,12 gram, the percentages of seed germination 95,33% and the percentages of growing speed 21,41%.

Keywords

Paria, Jarak Tanam, Jumlah Buah, kualitas mutu benih

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