RESULTS TEST OF 8 OYONG (Luffa Acutangula L.) LINES WITH 2 COMPARISONAL VARIETIES IN MALANG DISTRICT. Guided by Ir. Suwardi, M.P.

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ABSTRACT

Towel Gourd (*Luffa acutangula* L.) is a vegetable that grows vines and is commonly found in tropical areas. Increased consumption of towel gourd needs to be supported also by the quality of the Towel Gourd plant itself. Increased production of Towel Gourd can be done in several ways, one of which is by creating varieties that have a high level of production. The formation of new varieties has a very important role in agriculture. Yield testing is the last stage of a breeding program. In the yield test program, the selection and selection of the lines that will be released as new varieties is carried out. This research was conducted from October to December 2020. Located in the research area of PT. Aditya Sentana Agro Jl. Zentana No. 87, Karangploso District, Malang Regency, East Java. This study used a randomized block design (RAK) with one treatment factor, namely 10 different genotypes consisting of 8 lines and 2 comparison varieties, namely Anggun Tavi F1 and Bidara F1. The 8 strains tested consisted of LF 178 : AF Yasin x AF Yasin F4 F1, LF 180 : AF Yasin x AM Yasin F4 F1, LF 183 : 121042-OA x AM Yasin F5 F1, LF 186 : AF Yasin F4 x AM Yasin F4 F1, LF 189 : AF Yasin F4 x AM Yasin F5 F1, LF 196 : AF Yasin F5 x AM Yasin F5 F1, LF 198 : AF Yasin F5 x AM Yasin F3 F1, LF 210: LF 3001F F5 x AM Yasin F5 F1, LF 125: Anggun Tavi F1 (Panah Merah), and LF 157: Bidara F1 (Pertiwi). Result of 8 lines had no significant effect on the parameters of flowering age, harvest age, number of fruit, fruit weight per plant and production per ha and had a very significant effect on the parameters of fruit storage resistance with an average value of 6 days after harvest.

Keywords: Oyong; Result Test; Strain; Varieties