

***Uji Daya Hasil Enam Galur dan Dua Varietas Oyong (Luffa acutangula L. Roxb). The Production Capacity Test of Six Grooves and Two Variety of Squash (Luffa acutangula L. Roxb). Supervised by: Ir. Titien Suhermatien, MP. and Dr. Rizal SP, MP.***

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### **ABSTRACT**

*The process of developing new varieties with yield trials begin to see the ability of growth and productivity of existing varieties. The research was conducted from September to December 2015 in field trials Polytechnic of Jember, District Sumbersari Jember. This study was conducted using a randomized block design (RAK) non factorial with 8 treatments and 4 repeated. The treatments used include (G1) Grooves OY-1003, (G2) Grooves OY-1005, (G3) Grooves OY-1006, (G4) Grooves OY-1009 (G5) Grooves OY-1010, (G6) Grooves OY -1015, (V1) Comparison Variety Prima F-1 (V2) Comparison Variety Hanoman F-1. The data is analyzed by using F Test (ANOVA). If there are significant diversification, so it will be continued with DMRT (Duncan Multiple Range Test) with error level 1% or 5%. The results showed that the strains tested have a production of superior varieties. Strains that have production lines highest in OY-1015 in the amount of 45.01 tonnes / ha capable of Comparison Variety Prima ie 41.85 tonnes / ha, and varieties hanoman ie 43.16 tons / ha. however, among Grooves G6 (OY-1015) and Comparison Variety V1 (Prima F-1) were both statistically not significant.*

***Keywords:*** *Productivity, Galur, Comparison Variety*