

Uji Daya Hasil Beberapa Genotipe Tanaman Kedelai (*Glycine max* (L.) Merrill) Produksi Tinggi dan Umur Genjah Generasi F6. *Yield Trial Genotypes Soybean Plant (*Glycine max* (L.) Merrill) High Production and Early Maturity F6 Generation. Advisor: Dr. Ir. Nurul Sjamsijah, MP and Ir. Suwardi, MP.*

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ABSTRACT

*This research purpose to find out the result of seven genotypes soybean (*Glycine max* (L.) Merrill) generation F6 still has a early maturity and high production according to characteristic from the parents. The research was conducted at trial field Polytechnic of Jember from September 2016 to January 2017. The design used was non factorial Randomized Complete Block Design (RCBD) with 13 genotypes consist of four parents seven genotypes result selection RD, P2R, P2D, P3R, P3D, P2P3, P3P2 and Polije 2 (P2), Polije 3 (P3), Dering (D), Rajabasa (R), and Wilis, Malabar as comparison varieties. Parameters consist of flowering age, harvest age, plant height, productive branches total, pods contant total, weight of 100 grains, yield each plant, yield each plot and yield each hectare. The results showed that seven selected genotypes had a very significant effect (**) on parameters flowering age P2P3 and P3P2 (37 HST), plant height P3D (75.75 cm) and pods contant total P2D (69.75 pods). While the parameters of harvest age, productive branches total, yield each plant, yield each plot and yield each hectare have non significant (ns).*

Key words: *early maturity, genotipe, high production*