

“Keeratan Antara Komponen Hasil Dengan Hasil Pada Generasi F5 Tanaman Kedelai (*Glycine max* (L.) Merrill) Potensi Hasil Tinggi Dan Umur Genjah.”. *The closeness between Component of Results At F5 Generation Plant Soybean (*Glycine max* (L.) Merrill) High Yield Potential And Age quickly.* Nurul Sjamsijah as chief counselor and Rahmat Ali Syaban as a member counselor.

Khoirul Anam

*Seed Production Techniques Study Program
Agriculture Production Department*

ABSTRACT

The purpose of this study to determine the closeness between yield components and yield of soybean plants F5 generations of crossbred and to obtain yield components have a positive correlation value that may be used as a guide to get genotype with high yield potential character. This research was conducted in September - December 2016 for field trials Polytechnic of Jember. This research used non factorial RAK and each data soybean crosses were analyzed using correlation analysis and analysis followed by a cross. The results showed plant height, number of branches, number of pods, seed weight per plant and weight of 100 seeds can be used as the basis for selection to obtain soybean genotypes with high yield potential in the next generation, and 5 of these characters have a value of direct influence is higher than the coefficient correlation.

Key words: *Corelation, Genotype, Path analysis, Pedigree Method, Soybean*