Aplications Fertilizer The Soybean Plant On The Growth And Production Soybean (*Glycine max* L.). Adviser Ir. Damanhuri, MP and Ir. M. Zayin Sukri, MP.

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ABSTRACK

Research on Soybean Waste Fertilizer on Growth and Yield of baluran Varieties Soybean (Glycine max L) Crop Production conducted for three months from October to January 2016. The research was conducted at the practice field Polytechnic of Jember, in the village Sumber Sari Tegal Gede District of Jember Java East. This study used factorial randomized block design *(Rancangan Acak Kelompok)*(RAK), there are two factors in this study, the first factor is the time interval (P) that are (P1) 5 days (P2) 10 days and (P3) 15 days. The second factor is the concentration (K) that are (K1) 10ml / lt, (K2) 20 ml / lt and (K3) 30 ml / lt. Observational data on each parameter analyzed using the F formula test (ANOVA). The results showed that the absence of effect on the single factor Interval time (P) and the single factor concentration (K) to the parameters Age flower per-samples, Wet weight pods mapped lands, Wet weight pods per-sample, dry weight perplot, Total productive branch per-sample and weight of 100 seeds mapped lands results do not affect the real (non-significant). The interaction between the interval of time and concentration also results in no real effect (non significant) on all parameters of growth and yield of soybean (Glycine max L). From the research that has been done get a result no real effect on all parameters of growth and yield.

Keywords: *Production, Interval Time, Concentration, Soybean, Growth.*