The Effect of Dose Fertilizer Kascing and Urea on Growth and Production of Soybean (Glycine max (L.) Merrill) Varieties Baluran. Guided by Ir. Wahyu Winarno, MM. and Ir. Tri Rini Kusparwanti, MP.

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ABSTRACT

This study aims to determine Production of soybean (Glycine max L.) varieties baluran with vermicompost fertilizer application and urea. This research was conducted during the five months from September 2015 to January 2016. All of the activities carried out in field trials Polytechnic of Jember, District Sumbersari, Jember. This study uses a randomized complete block design (RAK) with 2 factors 12 treatments and 3 replications, a dose of vermicompost (K) consists of four levels ie cow manure 20 kg / ha, fertilizer vermicompost 4 tons / ha, 6 tons / ha, 8 ton / ha of urea (U) consists of three levels ie 100 kg / ha, 75 kg / ha, 50 kg / ha with a combination treatment of K0U1, K0U2, K0U3, K1UU1, K1U2, K1U3, K2U1, K2U2, K2U3, K3U1 , K3U2 and K3U3. Data were analyzed using ANOVA. The parameters observed were plant height, number of productive branches, number of pods pithy persampel, persampel number of empty pods, pod weight persampel wet, dry peas weight persampel, persampel seed weight, seed weight perplot and weight of 100 seeds. The results of this study indicate that treatment kascing fertilizers and urea did not differ significantly on all parameters of observation.

Keywords: *Soybean, vermicompost fertilizer, Urea.*