

Applications MOL tuber Bananas and Manure Goat Against Production of soybean (*Glycine max* (L.) Merrill) baluran variety. Advisor by Ir. Herlinawati, MP. and Ir. Bambang Sugiyanto, MP.

Dian Nur Aini

Study Program Food Plant Production Technology
Department of Agricultural Production

ABSTRACT

This study aims to determine Production of soybean (*Glycine max*, L.) baluran variety with MOL Application banana weevil and goat manure. This research was carried out for 5 months from September 2015-January 2016. All activities carried out in field trials Polytechnic of Jember, District Summersari, Jember. This study used a randomized complete block design (RAK) factorial with two factor of 9 treatments and 3 repetitions, factor (M) 3 levels in concentration MOL banana weevil 0 ml/liter of water, 50 ml/liter of water, 100 ml/liter of water, a factor K 3 levels and the dose manure goat 0 grams/plot, 4 grams/plot, 6 grams/ plot with combined treatment M1K1, M1K2, M1K3, M2K1, M2K2, M2K3, M3K1, M3K2, and M3K3. Data was analyzed using ANOVA and then tested further by using DMRT level of 5%. These results indicate that treatment concentration addition MOL banana weevil (M) provides real effect (*) in the parameter pods samples pithy. While the treatment of goat manure (K), which provides real effect (*) on the weight of dry pods observation parameters fields. And the interaction between MOL banana weevil (M) and goat manure (P) significant effect (*) in the parameters samples rice dry pod weight.

Keywords: *Goat manure, MOL banana weevil, Soybean.*