

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.

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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 Sumbersari, 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.*