

***Effectiveness of Giving Liquid Manure and Liquid Leucaena Leucaena
Leucocephala Fertilizer To Plant Production Soybean
(Glycine Max L.) Var. Gepak Kuning
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ABSTRACT

Soybean production has decreased due to lack of good land productivity. This study aims to increase soybean production by providing manure and POC lamtoro leaves. This research was conducted for 4 months from November 2018 until February 2019. All research activities are conducted at the Jember State Polytechnic land. The study uses a random design of the factorial Group (RAK) consisting of 2 factors, 12 treatment combinations, and 3 repeats.. Level 3 factor K is the dose of 0 kg, 8 kg and 10 kg manure and the level 4 L factor is the concentration of lamtoro leaf poc 0ml / L, 100 ml / L, 200 ml / L, 300 ml / L. Data were analyzed using ANOVA then further tested using DMRT level 5%. The results showed that the treatment of dosing of manure (K) and poc concentration of lamtoro leaf (L) had no significant effect on the parameters of plant height, number of productive branches, number of empty sample pods, number of sample filling pods, sample weight of dry paddy pods, weight perplot paddy field dry pods, sample seed dry weight, perplot paddy field dry weight, but poc lamtoro leaf (L) had significant effect () and there was a real interaction (*) on dosing of manure (K) and poc lamtoro leaf (L) on number of fertile books. Manure (K) is significantly different (*) in the weight parameter of 100 seeds.*

Keywords: Manure, POC Leaves Lamtoro, Soybean,