

Penambahan Pupuk Organik Cair Untuk Meningkatkan Produksi Benih Kacang Tanah (*Arachis hipogaea* L). Addition Organic Liquid Fertilizer to Increase the Production of Peanuts Seed (*Arachis hipogaea* L) . Advisor: Ir. Suwardi, MP and Ir. Moch. Bintoro, MP.

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ABSTRACT

*This research aims to determine the result of adding a organic liquid fertilizer to the production of peanut seeds (*Arachis hypogaea* L). This research conducted three months (October 2015 to December 2015). All the activities carried out in the field and laboratory Seed Production Engineering State Polytechnic of Jember. Was used a randomized complete block design (RAK) non-factorial with 6 treat 4 repetitions. Without the addition of organic liquid fertilizer (P0), addition of organic liquid fertilizer Bio Urine (P1), addition of organic liquid fertilizer Nasa (P2), addition of organic liquid fertilizer Rotan Ajib (P3), addition of organic liquid fertilizer Hantu (P4), and the addition of organic liquid fertilizer Hegrow (P5). Analysis Data by using ANOVA then tested further by using DMRT level 5%. The results showed treatment of organic liquid fertilizer have significant effect to number of pods per plant, heavy wet pods per plant, weight dry pods per plant, weight of seed dry per plant, and productivity per hectare. The best organic fertilizer with the addition of Bio Urine POC on the heavy pods wet per plant, while the number of pods, weight of pods dry, seeds weight, and productivity per hectare with the addition of POC hantu.*

Keywords: *Addition of organic liquid fertilizer, Peanuts*