

Pengaruh Penambahan Pupuk Organik Cair (POC) Urine Kambing terhadap Produksi dan Kualitas Benih Kacang Tanah (*Arachis hypogaea* L.) Varietas Kancil dan Kelinci. *The Effect of Adding Goat Urine LOF on The Production and Quality of Peanut Seeds (*Arachis hypogaea* L.) Kancil and Kelinci Varieties.* Supervised by Ir. Hari Prasetyo, M.P.

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ABSTRACT

*Peanut (*Arachis hypogaea* L.) is one of the food crop commodities with high economic value. Groundnut production in Indonesia tends to decrease every year. Based on this, efforts are needed to increase peanut productivity which can be done by adding liquid organic fertilizer and using superior varieties. This study aims to determine the interaction between the addition of goat urine LOF on the production and quality of peanut seeds of deer and rabbit varieties. This research was conducted from August to December 2023 in the farmland of Antirogo Village, Summersari District, Jember. The experimental design used was Factorial Randomized Group Design (RGD) which was repeated 3 times. The first factor is goat urine LOF concentration consisting of 0 ml/l (P0), 100 ml/l (P1), 200 ml/l (P2), and 300 ml/l (P3). The second factor is the variety consisting of Variety Kancil (V1), and Variety Kelinci (V2). The research data were analyzed using Anova, if the treatment gave a significantly different effect, it would be continued with the DMRT test at the 5% or 1% level. The results showed that the interaction between the addition of goat urine LOF with a concentration of 300 ml/l (P3) and rabbit varieties (V2) gave a significantly different effect on the number of pods per plant (83.40 pods), the number of seeds per plant (192.40 grains), seed weight per plant (86.58 grams), and potential seed production per hectare (6,926.40 kg/ha). While the interaction of the addition of goat urine POC with a concentration of 300 ml/l (P3) and the deer variety (V1) gave the best results on the number of pods per plant (74.13 pods), the number of seeds per plant (164.53 grains), the weight of seeds per plant (70.75 grams), and the potential seed production per hectare (5,211.73 kg/ha).*

Key Word : *Goat Urine LOF, Kancil Variety, Rabbit Variety, Groundnut*