

# **APPLICATION OF LIQUID ORGANIC FERTILIZER MADE FROM BAMBOO SHOOTS AND TIME OF PRUNING ON PEANUT PRODUCTION (*Arachis hypogaea* L.)**

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## **ABSTRACT**

*Land degradation due to excessive use of synthetic fertilizers reduces Indonesia's peanut productivity yearly. Therefore, it is necessary to apply environmentally friendly methods such as liquid organic fertilizer and shoot pruning to optimize peanut productivity. This research aimed to examine the influence of bamboo shoot liquid fertilizer and shoot pruning time on peanut production. This research was carried out in Antirogo Village, Jember County. The experimental design used was a Randomized block design with two factors. The first factor was the concentration of bamboo shoots liquid fertilizer which consists of three levels, namely 0 ml/L, 100 ml/L, and 200 ml/L. The second factor was shoot pruning time which consisted of control, 7 days after flowering, and 14 days after flowering. The results were analyzed using ANOVA. The results indicated that the concentration of bamboo shoots liquid fertilizer of 100 ml/L has a significant effect on the fresh shoot weight per sample. In addition, the shoot pruning time of 7 days after flowering had a notable effect on the fresh pod weight per sample. Moreover, There was a significant effect on the interaction between the concentration of bamboo shoot liquid fertilizer of 100 ml/L and shoot pruning 7 days after flowering on fresh pod weight per sample, dry pod weight per sample, dry seed weight per sample, and dry seed weight per plot.*

**Keywords:** *green fertilizer, lagume, reproduction stage*