

**mplementasi Pupuk Organik Cair (POC) Limbah Kulit Pisang pada  
Berbagai Tingkat Kepadatan Tanaman Kacang Hijau (*Vigna radiata* L.)**  
*(Implementation of Liquid Organic Fertilizer (POC) Banana Peel Waste at  
Various Density Levels of Green Bean Plants(*Vigna radiata* L.)*  
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***ABSTRACT***

Giving POC made from banana peels and spacing are two ways in cultivating mung bean plants. Knowing the effect of spacing and liquid organic fertilizer (POC) made from banana peels on the growth of mung bean plants (*Vigna radiata* L.) is the purpose of this study. The Jember State Polytechnic farmland is the location of the trial which will take place from October to December 2023. This study used a factorial randomized group design (RAK) with two components and three repeats. The first factor is the difference in planting distance, which is 40 cm x 20 cm, 35 cm x 20 cm, and 30 cm x 20 cm. The POC concentration of banana peels ranging from 0 milliliters per liter, 50 milliliters per liter, 100 milliliters per liter, 150 milliliters per liter is the second component. After additional DMRT testing, analysis of variance (ANOVA) is used to examine the data. Various observational metrics were significantly influenced by the significant interaction between spacing treatment and banana peel POC application, as shown by the results of the study. The best treatment combination is a planting distance of 40 cm x 20 cm and 150 ml / l POC banana peel. The optimal result for the dry pod weight parameter per sample, which is 10,300 grams, was obtained by combining spacing treatment with banana peel POC application.

*Key words* : Green Beans, Banana Peel POC, Plant Spacing