

Aplikasi Pupuk Dasar Kandang Ayam dan Pupuk Organik Cair Bonggol Pisang terhadap Produksi dan Mutu Benih Kacang Hijau (*Vigna radiata* L.)
*(Application of Chicken Cage Basic Fertilizer and Liquid Organic Fertilizer Banana Cob on Production and Quality of Mung Beans Seeds (*Vigna radiata* L.))*
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ABSTRACT

One of the efforts to fulfill the need for mung bean seeds is by using soil structure improvement. Efforts that can be made using chicken manure and liquid organic fertilizer are banana weevil. This study aims to determine the dose of chicken manure and the best concentration of liquid organic fertilizer on the growth and production of mung bean seeds. This research was carried out at the IP2TP Muneng greenhouse from October to December 2021. This study consisted of two treatments including the dose of chicken manure and the concentration of liquid organic fertilizer on banana weevil. The first treatment (dose of chicken manure) consisted of four levels, 0, 125, 250, and 375 gram.polybag-1. The second treatment (concentration of liquid organic fertilizer weevil) 0, 10, 20, 30 ml.liter-1. The study used a factorial Completely Randomized Block Design method with 3 replications. The results of the observations were analyzed using ANOVA and continued with the DMRT level of 5%. The parameters used to prove this research were plant height, number of leaves, chlorophyll index, number of pods, seed weight, production per hectare, weight of 1000 grains, seed germination. Chicken manure had an effect on plant height 10 days after planting, seed weight, and production per hectare. Liquid organic fertilizer banana weevil affects the number of pods. Both had no significant effect on plant height 30 days after planting, number of leaves, chlorophyll index 10 and 20 days after planting, weight of 1000 grains, and seed germination.

Key word: mung beans, chicken manure, liquid organic fertilizer weevil