

Respon Pertumbuhan dan Produksi Benih Kacang Hijau (*Vigna radiata* L.) oleh Pemberian Pupuk Organik Cair (POC) “HANTU” dengan Beberapa Konsentrasi dan Frekuensi Aplikasi. Response of Growth and Seed Production of Green Beans (*Vigna radiata* L.) By Liquid Organic Fertilizer (POC) “HANTU” with Some Concentration and Frequency Applications. Supervised by: Ir. Nantil Bambang S, MSi, and Ir. Hari Prasetyo, MP.

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ABSTRACT

*The purpose of this study was to determine the effect of POC HANTU concentration and the interval spraying on growth and seed production of mung bean (*Vigna radiata* L.). This study used a factorial randomized complete block design (RAK), with two treatments. The first factor is the concentration treatment of POC HANTU (P) consisting of fermentation 5 levels (P0) Without Giving POC (Control), (P1) Provision POC concentration of 5 ml / L of water, (P2) Provision POC concentration of 10 ml / L of water, (P3) Provision POC concentration of 15 ml / L of water, (P4) Provision POC concentration of 20 ml / L of water. And the second factor, consisting of spraying 7 days interval (I1), the interval spraying of 14 days (F2). Each treatment was repeated 3 times. Results of the study were analyzed using analysis of variance (ANOVA) and if there is a noticeable difference will be tested further by using Duncan Multiple Range Test (DMRT) at a rate of 5%. The results showed that the concentration of POC HANTU and interval spraying did not yield significant results for the parameter; plant height (cm), number of branches of productive (leaf), Total pods crops (fruit), Heavy seed crops, (g), weight of 100 grains (grams), germination of seeds (%), simultaneity sprouted seeds (%), and speed of growth of seeds (%).*

Keywords: *Green Beans, POC HANTU concentration, interval spraying.*