

Pengaruh Dosis Pupuk Organik Cair dan Pupuk N, P, K Terhadap Peningkatan Produksi Benih Tanaman Kacang Panjang (*Vigna sinens L.*)
*Dose Effect of Liquid Organic Fertilizer and fertilizer N, P, K Against Increased Production Plant Seed Long Bean (*Vigna sinensi L.*). Advisor: Sri Rahayu, Ir., MP., Rahmat Ali Shaban, Ir. MSi, Dr.*

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ABSTRACT

The aim of this study was to determine the impact of various dosing liquid organic fertilizer and fertilizer N, P, K on growth and seed production of beans. This study was conducted using a Randomized Complete Block Design (RCBD) consisting of two factors and three replications. The first factor is the various compositions of various doses of Liquid Organic Fertilizer (P) with a dose of 8.5 L / ha (P1), 10 L / ha (P2), 11.5 L / ha (P3). The second factor is the dose of fertilizer N, P, K (N) consisting of Urea 20 kg / ha + SP - 36 75 kg / ha + KCl 80 kg / ha (N1), Urea 25 kg / ha + SP- 36 90 kg / ha + KCl 90 kg / ha (N2), Urea 30 kg / ha + SP-36 105 kg / ha + KCl100 kg / ha (N3). The result showed that the liquid organic fertilizer dose of 11.5 L / ha significantly highest yield on the parameters of the average number of pods cropping and weighing 100 18.24 27.85 g grain seeds, planting the seed weight 716.083 g. Dosing of fertilizer N, P, K Urea 30 kg / ha + SP-36 105 kg / ha + KCL100 kg / ha (N3) significantly highest yield on average, 18.39 planting pods, pods dry weight of crop 300.796 g, weight of 100 grains of 29.32 g seed, and seed dry weight of 717.045 g.

Key words: *liquid organic fertilizer, fertilizer N, P, K, Seeds, Nuts Long*