

PENGARUH KONSENTRASI PUPUK ORGANIK CAIR LIMBAH SAYURAN TERHADAP PERTUMBUHAN DAN HASIL TANAMAN TERONG UNGU

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian POC limbah sayuran terhadap pertumbuhan dan hasil tanaman terong ungu. Penelitian ini dilaksanakan kaliurang, Ngabean Kulon, di lahan Pertanian Warga, Kecamatan Sinduharjo Kabupaten Sleman dengan ketinggian tempat 220 meter diatas permukaan laut. Penelitian ini dilaksanakan pada bulan Oktober - Desember 2019. Percobaan dirancang dengan Rancangan Acak Lengkap (RAL) secara faktor tunggal dengan 4 aras perlakuan dengan 3 ulangan. Variable penelitian terdiri dari : (1) P0 = kontrol pupuk anorganik, (2) P1 = POC limbah sayuran konsentrasi 50 ml/l, (3) P2 = POC limbah sayuran konsentrasi 75 ml/l, (4) P3 = POC limbah sayuran konsentrasi 100ml/l, hasil penelitian menunjukkan macam konsentrasi POC limbah sayuran tidak berpengaruh nyata terhadap pertumbuhan dan hasil tanaman terong ungu, namun pupuk organik cair limbah sayuran bisa mengimbangi pupuk anorganik dengan sama – sama memiliki notasi a. Perlakuan POC limbah sayuran konsentrasi 50 ml/l bisa digunakan untuk pertumbuhan dan hasil tanaman terong ungu.

Kata kunci : Konsentrasi Pupuk Organik Cair Limbah sayuran, Pertumbuhan, dan Hasil Tanaman Terong Ungu

THE EFFECT OF THE CONCENTRATION OF LIQUID ORGANIC VEGETABLE COMPOST TOWARD THE GROWTH AND THE OUTCOME OF PURPLE EGG PLANT

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ABSTRACT

This study aimed to determine the effect of giving vegetable compost on the growth and the outcome of purple egg plant. This research has been done at Kaliurang, Ngabean Kulon, on the agricultural land of the residents, Sinduharjo, Sleman Regency with an altitude of 220 meters above sea level. This research was conducted in October - December 2019. The experiment was designed with a completely randomized design in a single factor with 4 treatment levels with 3 replications. The research variables consisted of: (1) P0 = control of inorganic fertilizers, (2) P1 = POC of liquid compost concentration of 50 ml / l, (3) P2 = POC of compost concentration of 75 ml / l, (4) P3 = POC of compost with the concentration of 100 ml / l, the results showed that the POC deposition of waste had no significant effect on the growth and yield of purple eggplant. However, liquid organic compost from vegetable waste could be balancing for inorganic fertilizers with the same notation a. The POC treatment of waste with a concentration of 50 ml / l can be used for the growth and yield of purple eggplant.

Keywords: Concentration of Liquid Organic Fertilizer Vegetable Waste, Outcome, and Yield of Purple Eggplant