

ABSTRAK

PENGARUH KONSENTRASI PUPUK ORGANIK CAIR (POC) LIMBAH IKAN LAUT TERHADAP PERTUMBUHAN DAN HASIL TANAMAN MENTIMUN (*Cucumis sativus* L.)

Oleh

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Penelitian ini bertujuan untuk mengetahui pengaruh konsentrasi pupuk organik cair limbah ikan laut terhadap pertumbuhan dan hasil tanaman mentimun. Percobaan ini dilaksanakan di Dusun Nusagede, Desa Cijulang, Kecamatan Cijulang, Kabupaten Pangandaran pada ketinggian tempat 6 Di atas Permukaan Laut (DPL). Waktu percobaan dimulai dari bulan Februari sampai dengan Mei 2021. Metode penelitian yang digunakan dalam penelitian ini adalah eksperimen dengan menggunakan Rancangan Acak Kelompok (RAK) dengan perlakuan: P0 = konsentrasi POC limbah ikan laut 0% (kontrol), P1 = Konsentrasi POC limbah ikan laut 10%, P2 = konsentrasi POC limbah ikan laut 20%, P3 = konsentrasi POC limbah ikan laut 30%, P4 = konsentrasi POC limbah ikan laut 40%, dan P5 = konsentrasi POC limbah ikan laut 50%. Pemberian pupuk organik cair (POC) limbah ikan laut berpengaruh terhadap tinggi tanaman, luas daun, jumlah daun, bobot buah mentimun per tanaman, bobot buah mentimun per petak, tetapi tidak berpengaruh terhadap diameter buah. Pemberian pupuk organik cair limbah ikan laut konsentrasi 40 persen menghasilkan pertumbuhan dan hasil tanaman mentimun yang baik.

Kata Kunci: Mentimun, Pupuk organik cair, Limbah ikan laut.

ABSTRACT

THE EFFECT OF CONCENTRATION OF LIQUID ORGANIC FERTILIZER (LOF) MARINE FISH WASTE ON GROWTH AND YIELD OF CUCUMBER PLANTS (*Cucumis sativus* L.)

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This study aims to determine the effect of the concentration of liquid organic fertilizer from marine fish waste on the growth and yield of cucumbers. This research was conducted in Nusa Gede sub district, Cijulang district, Pangandaran regency at altitude 6 above rim. This research started from February until May 2021. The method of this study was Randomized Block Design (RBD) with the handling : P0 = with concentration liquid organic fertilizer (LOF) of waste sea fish 0% (control), P1 = with concentration liquid organic fertilizer of waste sea fish 10%, P2 = with concentration liquid organic fertilizer of waste sea fish 20%, P3 = with concentration liquid organic fertilizer of waste sea fish 30%, P4 = with concentration liquid organic fertilizer of waste sea fish 40%, P5 = with concentration liquid organic fertilizer of waste sea fish 50%. The application of liquid organic fertilizer waste of sea fish has effects on height plant, leaf area, numbers of leaves, cucumber fruit weight per plant, cucumber fruit weight per plot, but has no effect on fruit diameters. The application of liquid organic fertilizer 40% concentration produce a good growth of cucumbers.

Keyword: Cucumbers, Liquid Organic Fertilizer, Waste of fish