

PENGARUH TAKARAN KOMPOS DAUN BAMBU TERHADAP PERTUMBUHAN DAN HASIL TERONG UNGU

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INTISARI

Penelitian ini dilakukan pada bulan november sampai bulan februari 2021, di UPT Kebun Unit II, Fakultas Agroindustri, Universitas Mercu Buana Yogyakarta, Kecamatan Sedayu, Kabupaten Bantul, DI Yogyakarta, yang bertujuan untuk mengetahui pengaruh berbagai dosis kompos daun bambu terhadap pertumbuhan dan hasil tanaman terong ungu (*Solanum melongena* L). penelitian ini menggunakan Rancangan Acak Lengkap (RAL) faktor tunggal. dengan 4 taraf perlakuan dosis pupuk kompos daun bambu yaitu kontrol (P0), 150 g/tanaman (P1), 200 g/tanaman (P2), 300 g/tanaman (P3). perlakuan dosis kompos daun bambu tidak berpengaruh nyata terhadap bobot kering brangkasan tanaman. perlakuan dosis kompos daun bambu berpengaruh nyata terhadap tinggi tanaman pada umur 3, 5, 8 minggu setelah tanam, dan hasil tanaman terong ungu, meliputi jumlah buah per sampel, bobot buah panen 1, 2, dan 4, diameter buah, dan panjang buah. perlakuan dosis kompos daun bambu 300 g/tanaman (P3) memberikan hasil terbaik pada variabel pengamatan hasil bobot buah sebesar 182,6 gram.

Kata kunci : Terong ungu, kompos daun bambu, dosis, pertumbuhan

EFFECT OF DOSE OF BAMBOO LEAF COMPOST ON GROWTH AND YIELD OF PURPLE EGGPLANT

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ABSTRACT

This research was conducted from november to february 2021, at UPT Garden Unit II, Faculty of Agroindustry, Mercu Buana University Yogyakarta, Sedayu District, Bantul Regency, DI Yogyakarta, which aims to determine the effect of various doses of bamboo leaf compost on the growth and yield of eggplant plants. purple (*Solanum melongena* L). this study used a single factor Completely Randomized Design (CRD). with 4 treatment levels of bamboo leaf compost fertilizer, namely control (P0), 150 g/plant (P1), 200 g/plant (P2), 300 g/plant (P3). the dose treatment of bamboo leaf compost had no significant effect on the dry weight of plant stover. the dose treatment of bamboo leaf compost had a significant effect on plant height at 3, 5, 8 weeks after planting, and purple eggplant yield, including number of fruits samples, weight of harvested fruit 1, 2, and 4, fruit diameter, and fruit lenght. treatment dose of bamboo leaf compost 300 g/plant (P3) gave the best results on the observation variable fruit weight of 182,6 grams.

Keywords: *purple eggplant, bamboo leaf compost, dosage, growth*