

ABSTRAK

PENGARUH KOMBINASI DOSIS PUPUK ORGANIK CAIR URIN SAPI DAN PUPUK KANDANG AYAM TERHADAP PERTUMBUHAN DAN HASIL TANAMAN BAWANG DAUN (*Allium fistulosum* L.)

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Penelitian tentang pengaruh kombinasi dosis pupuk organik cair urin sapi dan pupuk kandang ayam terhadap pertumbuhan dan hasil tanaman bawang daun (*Allium fistulosum* L.), dilaksanakan di Dusun Pasar Saptu Rt 01 / Rw 05, Desa Cikoneng, Kecamatan Cikoneng, Kabupaten Ciamis pada bulan Oktober sampai dengan Desember 2021. Penelitian ini menggunakan Rancangan Acak Kelompok (RAK) dengan 5 perlakuan dan 5 kali ulangan. Perlakuan yang dicoba yaitu A= Tanpa pupuk organik cair urin sapi dan tanpa pupuk kandang ayam (kontrol), B= Pupuk organik cair urin sapi 100 ml/tan + pupuk kandang ayam 10 t/ha, C= Pupuk organik cair urin sapi 100 ml/tan + pupuk kandang ayam 15 t/ha, D= Pupuk organik cair urin sapi 150 ml/tan + pupuk kandang ayam 10 t/ha, E= Pupuk organik cair urin sapi 150 ml/tan + pupuk kandang ayam 15 t/ha. Hasil penelitian menunjukkan bahwa kombinasi dosis pupuk organik cair urin sapi dan pupuk kandang ayam berpengaruh terhadap semua parameter yaitu tinggi tanaman, jumlah daun per rumpun, jumlah batang per rumpun, bobot brangkasan per rumpun dan hasil brangkasan per petak. Kombinasi dosis pupuk organik cair urin sapi 150 ml/tan dan pupuk kandang ayam 15 t/ha memberikan hasil yang baik terhadap terbaik terhadap pertumbuhan dan hasil tanaman bawang daun yaitu 2,48 kg/petak setara dengan 14,18 t/ha.

Kata kunci : bawang daun, dosis, POC urin sapi, pupuk kandang ayam

ABSTRACT

THE EFFECT OF A COMBINATION OF DOSE OF LIQUID ORGANIC FERTILIZER COW URINE AND CHICKEN MANURE ON THE GROWTH AND YIELD OF LEEK PLANT (*Allium fistulosum* L.)

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Research on the effect of the combination dose of liquid organic fertilizer cow urine and chicken manure on the growth and yield of leek plant (*Allium fistulosum* L.), was carried out in Cikoneng Village, Cikoneng District, Ciamis Regency from October until December 2021. This study used a Randomized Block Design (RBD) with 5 treatments and 5 replications. The treatments tried were A= Without liquid organic fertilizer of cow urine and without chicken manure (control), B= Liquid organic fertilizer of cow urine 100 ml/plant + chicken manure 10 t/ha, C= Liquid organic fertilizer of cow urine 100 ml /plant + chicken manure 15 t/ha, D= Liquid organic fertilizer for cow urine 150 ml/plant + chicken manure 10 t/ha, E= Liquid organic fertilizer for cow urine 150 ml/plant + chicken manure 15 t/ha. The results showed that the combination of the dose of liquid organic fertilizer of cow urine and chicken manure affects all parameters, namely plant height, number of leaves per clump, number of stems per clump, weight/clump, and the results of the weight/plot. The combination dose of liquid organic fertilizer of cow urine 150 ml/plant and chicken manure 15 t/ha gave good results for the best growth and yield of leek plants, namely 2,48 kg/plot equivalent to 14,18 t/ha.

Keywords: Chicken manure, dosage, leek, POC cow urine.