

**PENGARUH APLIKASI PUPUK GUANO DAN PUPUK KANDANG
AYAM TERHADAP PERTUMBUHAN DAN HASIL TANAMAN SELASIH
(*Ocimum Basilicum*)**

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ABSTRAK

Tanaman selasih (*Ocimum Basilicum*) merupakan salah satu tanaman yang tergolong dalam tanaman setahun, tanaman ini banyak dimanfaatkan oleh masyarakat sebagai tanaman obat selain itu tanaman selasih juga banyak mengandung minyak atsiri. Penelitian ini bertujuan untuk mengetahui pengaruh dosis pupuk guano dan pupuk kandang ayam terhadap pertumbuhan dan hasil tanaman selasih, mengetahui dosis pupuk guano dan pupuk kandang ayam yang optimal terhadap pertumbuhan dan hasil tanaman selasih. Penelitian ini dilakukan di kebun percobaan Program Studi Agroekoteknologi Fakultas Pertanian Universitas Trunojoyo Madura di Desa Telang, Kecamatan Kamal, Kabupaten Bangkalan Madura. Ketinggian tempat $\pm$ 5 m dpl. Penelitian ini dilaksanakan pada bulan Juni–September 2015. Rancangan penelitian yang digunakan dalam penelitian ini adalah Rancangan Acak Kelompok non factorial (RAK) yang terdiri atas perlakuan yang di ulang sebanyak 6 kali ulangan. Adapun perlakuan yaitu P0= tanpa perlakuan P1= pupuk Guano 3 gram P2= pupuk Guano 4 gram P3= pupuk Guano 5 gram P4= pupuk kandang Ayam 300 gram P5= pupuk kandang Ayam 400 gram P6= pupuk kandang Ayam 500 gram parameter yang diamati meliputi tinggi tanaman, jumlah daun, luas daun, waktu munculnya bunga, bobot basah total tanaman, bobot kering total tanaman hasil penelitian menunjukkan bahwa perlakuan terbaik diperoleh pada perlakuan pupuk kandang ayam dengan dosis 400 gram/tanaman (P5) dan dosis 500 gram/tanaman (P6) hal ini ditunjukkan pada produksi hasil jumlah daun, luas daun, waktu munculnya bunga, bobot basah total dan bobot kering total dengan nilai tertinggi 2649.44 (P5).

Kata kunci : *Ocimum basilicum* l, pupuk Guano, pupuk kandang Ayam

THE APPLICATION EFFECT OF GUANO FERTILIZER AND CHICKEN
COOP MANURE ON THE GROWTH AND PLANT RESULT OF BASIL
(*Ocimum Basilicum*)

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ABSTRACT

Plant basil (*Ocimum Basilicum*) is a plant categorized to the plant in year, this plant is widely used by the community as a medicinal plant besides basil plants also contain essential oils. This study has a purpose to determine the effect of a dose of guano fertilizer and chicken manure on the growth and result of basil plant, as known as a dose of guano fertilizer and chicken manure which is optimal in growth and the result of basil plant. This study was conducted in an experimental garden Agroecotechnology Studies Program Faculty of Agriculture, University Trunojoyo Madura in the village Telang, District Kamal, Bangkalan Madura. Altitude ± 5 m. This research was planing in June-September 2015. The research design used in this study is a randomized block design non factorial (RAK), which consists of re-treatment in as many as 6 repetitions. The treatment that P0 = unfertilised P1 = fertilizer Guano 3 grams P2 = fertilizer Guano 4 grams P3 = fertilizer Guano 5 grams P4 = manure Chicken 300 grams P5 = manure Chicken 400 grams P6 = manure Chicken 500 grams of parameters observed plant height, leaf number, leaf area, timing of the flower, wet weight of total plant dry weight of the total crop results showed that the best treatment was obtained in the treatment of chicken manure with a dose of 400 g / plant (P5) and a dose of 500 g / plant (P6) this is indicated on the production results of the number of leaves, leaf area, while the emergence of interest, total wet weight and dry weight of the total with the highest value 2649.44 (P5).

Keywords: *Ocimum basilicum* l, fertilizer Guano, chicken manure