

ABSTRAK

Penelitian ini berjudul Pengaruh Media Tanam terhadap pertumbuhan dan hasil tanaman gumitir (*Tagetes erecta L.*). Tujuan penelitian ini adalah untuk mengetahui pengaruh media tanam terhadap pertumbuhan dan hasil tanaman gumitir (*Tagetes erecta L.*). penelitian ini dilaksanakan selama kurun waktu tiga bulan mulai tanggal 25 Mei 2022 sampai dengan 31 Agustus 2022, penelitian ini menggunakan metode penelitian rancangan acak kelompok (RAK) dengan enam taraf perlakuan yaitu (M0) 5 kg media tanah, (M1) 2,5 kg campuran media tanah dan 2,5 kg pasir, (M2) 2,5 kg campuran media tanah dan 2,5 kg serbuk gergaji kayu, (M3) 2,5 kg campuran media tanah dan 2,5 kg sekam bakar, (M4) 2,5 kg campuran media tanah dan 2,5 kg cocopeat, (M5) 2,5 kg campuran media tanah dan 2,5 kg pupuk kandang sapi, dan setiap perlakuan diulang sebanyak 4 kali sehingga didapat 24 perlakuan yang diamati. Hasil penelitian ini media tanam memberikan pengaruh sangat nyata terhadap parameter tinggi tanaman, jumlah cabang, diameter batang tanaman, jumlah bunga total panen per tanaman, berat segar bunga total per tanaman, berat segar total tanaman, berat kering oven bunga total pada tanaman, berat kering oven total tanaman, kecuali pada jumlah daun dan umur berbunga memberikan pengaruh tidak nyata. Perlakuan yang memberikan pertumbuhan dan hasil terbaik pada media tanam campuran tanah dan sekam bakar (1:1) dengan hasil: jumlah total bunga panen per tanaman 26,25 bh, berat segar bunga total per tanaman 192,57 g, dan berat kering oven bunga total per tanaman 17,72 g.

Kata Kunci : media tanam, gumitir



ABSTRACT

This research is entitled Effect of Planting Media on growth and yield of gumitir (*Tagetes erecta L*). The purpose of this study was to determine the effect of growing media on the growth and yield of gumitir . plants (*Tagetes erecta L*). This research was carried out for a period of three months starting from May 25, 2022 to August 31, 2022, this study used a randomized block design (RAK) research method with six treatment levels, namely (M0) 5 kg of soil media, (M1) 2.5 kg a mixture of soil media and 2.5 kg of sand, (M2) 2.5 kg of a mixture of soil media and 2.5 kg of wood sawdust, (M3) 2.5 kg of a mixture of soil media and 2.5 kg of burnt husk, (M4) 2.5 kg of soil media mix and 2.5 kg of cocopeat, (M5) 2.5 kg of soil media mixture and 2.5 kg of cow manure, and each treatment was repeated 4 times so that 24 treatments were observed. The results of this study planting media gave a very significant effect on the parameters of plant height, number of branches, plant stem diameter, total flower harvest per plant, total flower fresh weight per plant, total plant fresh weight, total flower oven dry weight on plants, dry weight total plant oven, except for the number of leaves and the age of flowering gave no significant effect. The treatment that gave the best growth and yield on a mixed planting medium of soil and roasted husk (1:1) with the results: the total number of flowers harvested per plant 26.25 pcs, total flower fresh weight per plant 192.57 g, and total flower oven dry weight. per plant 17.72 g.

Keywords: planting medium, gumitir

