

ABSTRAK

Penelitian dilakukan untuk mengetahui pengaruh media tanah terhadap pertumbuhan dan produksi tanaman okra (*Abelmoscus esculentus* L). Penelitian dilaksanakan di kebun percobaan Agroteknologi Fakultas Pertanian Universitas Trunojoyo Madura, Kecamatan Kamal, Kabupaten Bangkalan, pada bulan Maret hingga Mei 2018. Rancangan lingkungan menggunakan rancangan acak lengkap (RAL)) non faktorial dengan 2 perlakuan yaitu T1 (Tanah Mediteran), dan T2 (Grumusol) yang diulang 9 kali, sehingga diperoleh 18 unit percobaan, setiap unit percobaan terdapat 4 sampel sehingga terdapat 72 tanaman. Data pengamatan dianalisis dengan analisis sidik ragam (ANSIRA), kemudian dilanjutkan dengan uji beda jarak nyata duncan (BJND) $\alpha : 5\%$. Hasil penelitian menunjukkan bahwa media tanam tidak berpengaruh signifikan terhadap tinggi tanaman, jumlah daun per tanaman, panjang buah, diameter buah, dan bobot basah batang, daun dan akar, serta bobot kering batang, daun akar, namun berpengaruh nyata pada bobot buah segar. Produksi buah okra yang cenderung lebih tinggi diperoleh pada perlakuan T2, yang memiliki bobot buah segar 32,36 gram

Kata Kunci : Tanaman Okra (*Abelmoscus esculentus* L), Grumosol, dan Tanah Mediteran, media tanam

ABSTRACT

This research aimed to study the influence of planting media on growth and yield of okra (*Abelmoscus esculentus* L). The research was conducted at the Experimental Station of Agrotechnology Department, Faculty of Agriculture, University of Trunojoyo, Bangkalan from March to May 2018. The research was arranged on a completely randomized design (CRD) consisting of two treatments, T1 (the mixture of compost with Mediterranean soil), and T2 (the mixture of compost with Grumosol). All treatments were replicated for nine times to result in 18 experimental units; each experimental unit consisting of four samples; so that totally there were 72 sample plants. Data were analyzed by ANOVA and the difference among means was analyzed by DMRT α : 5%. Results showed that planting media gave a significant effect only on the weight of fresh fruit but not to other parameters namely plant height, number of leaves per plant, fruit length and diameter, fresh weight of stems, leaves and roots, as well as the dry weight of stem, leaf, and roots. Okra yield under T2 was higher than that under T1, which was 32.36 grams.

Keywords : Okra plants (*Abelmoscus esculentus* L), grumosol and Mediteran Soil