

INTISARI

Dwi Gatra Prasetyo (1410311012) “**Efektifitas Konsentrasi Pupuk Hayati K-Bioboost Dan Pupuk Organik K-Bioboost Terhadap Produksi Okra (*Abelmoschus Esculentus*)**”. Dosen pembimbing utama Ir.Muhammad Chabib Ichsan, MP, Dosen pembimbing anggota Ir.Hudaini Hasbi,Msc Agr.

Penelitian ini bertujuan untuk : (1). mengetahui pengaruh konsentrasi Pupuk Hayati cair Bioobost terhadap produksi okra Garibar. (2) mengetahui pengaruh konsentrasi pupuk organik cair Bioobost terhadap produksi okra Garibar .(3) mengetahui interaksi antara konsentrasi pupuk hayati cair K-Bioboost dengan konsentrasi pupuk organik cair K-Bioboost terhadap produksi okra Garibar. Penelitian ini dilaksanakan di pedukuhan Perindu, Kecamatan Sumbersari, Kabupaten Jember .Penelitian dimulai pada tanggal 22 November 2017 sampai pada tanggal 12 Maret 2018, pada ketinggian tempat + 89 meter di atas permukaan laut (dpl).

Penelitian berupa percobaan faktorial (4x4) menggunakan Rancangan Acak Kelompok (RAK) yang terdiri dari dua faktor yaitu faktor pertama pupuk hayati bioobost dan faktor kedua pupuk organik cair yang di ulangan 3 kali. Faktor pertama pupuk hayati cair bioobost yang terbagi dalam 4 taraf : Tanpa pupuk hayati, 40 ml/l air, 80 ml/l air dan 120 ml/l air. faktor kedua pupuk organik cair dibagi dalam 4 taraf : Tanpa pupuk organik, 10 ml/l air, 20 ml/l air dan 30 ml/l air.

Hasil penelitian menunjukkan bahwa perlakuan pemberian pupuk hayati K-Bioboost memberikan pengaruh terhadap produksi okra variabel Jumlah buah per sampel terbanyak diperoleh dari konsentrasi pupuk hayati 80 ml/ l air dan pupuk organik cair 30 ml/l air sebanyak 135 buah meningkatkan produksi sebesar 25%, dan jumlah buah per petak terbanyak diperoleh dari konsentrasi pupuk hayati 80 ml/ l air dan konsentrasi organik cair 20 ml/l air sebanyak 709 buah meningkatkan produksi sebesar 34,27%, sedangkan variabel berat buah per sampel terberat diperoleh dari konsentrasi 40 ml/l air dan pupuk organik cair 20 ml/l air sebanyak 451,056 g meningkatkan produksi sebesar 1,8%, dan berat buah per petak diperoleh dari interaksi pupuk hayati konsentrasi 80 ml/l air dan konsentrasi pupuk organik cair 20 ml/l air seberat 5490,333 g yang meningkatkan produksi sebesar 54 %, dalam konversi produksi okra sebesar 21,9 ton/Ha.

Kata Kunci : Pupuk Hayati K-Bioboost, Pupuk Organik Cair K-Bioboost, Tanaman Okra.

SUMMARY

Dwi Gatra Prasetyo (1410311012) "**Effectiveness Of K-Bioboost Biodiversity Concentration And Organic Fertilizer Of K-Bioobost On Oil Production (Abelmoschus Esculentum)**". Main lecturer Ir.Muhammad Chabib Ichsan, MP, Lecturer advisor Ir.Hudaini Hasbi, Msc Agr.

This study aims to: (1). To know influence of Liquid Bio Fertilizer Bioobost concentration on Garibar okra production. (2) To know influence of concentration of liquid organic fertilizer to Garibar okra production (3) To know the interaction between liquid bio fertilizer Bioobost concentration organic fertilizer okra Garibar production. This study was conducted in sub district of sumbersari district jember. 2017 until march 2018. with altitude + 89 meters above sea level (asl).

The experiment was a factorial experiment (4x4) using Randomized completely Block Design (RAK) consisting of two factors: first factor of bioobost bio-fertilizer and second factor of liquid organic fertilizer repeated 3 times. The first factor is bioobostic biofilms which are divided into 4 levels: Control, 40 ml / l water, 80 ml / l water and 120 ml / l water. the second factor of liquid organic fertilizer is divided into 4 levels: Control, 10 ml / l water, 20 ml / l water and 30 ml / l water.

The results showed that the treatment of K-Bioobost biofertilizer gave effect to the variable okra production. The highest number of fruits per sample was obtained from biological fertilizer concentration 80 ml / l water and 30 ml / l liquid organic fertilizer as much as 135 fruits increased production by 25%, and the highest number of fruit per plot was obtained from the concentration of biofertilizer 80 ml / l of water and a liquid organic concentration of 20 ml / l of water as much as 709 fruits increased production by 34.27%, while the weight variable of fruit per the heaviest sample was obtained from a concentration of 40 ml / l water and liquid organic fertilizer 20 ml / l of water as much as 451,056 g increased production by 1.8%, and the weight of fruit per plot was obtained from the interaction of biofertilizer concentration of 80 ml / l of water and concentration of liquid organic fertilizer 20 ml / l of water weighing 5490, 333 g which increased production by 54%, in the conversion of okra production by 21.9 tons /Ha.

Keywords: K-Bioobost Biodegradable, Organic Fertilizer Of K-Bioobost, Okra Plant.