

RINGKASAN

Penelitian ini dilaksanakan di lahan Percobaan Fakultas Pertanian Universitas Islam Sumatera Utara, Jln. Karya Wisata, Kecamatan Medan Johor, Kota Medan, Provinsi Sumatera Utara Ketinggian tempat ± 25 mdpl, dengan Topografi datar dengan jenis tanah ordo inceptisol. Penelitian ini dimulai pada Bulan Maret sampai dengan Bulan Agustus 2022. Penelitian ini bertujuan untuk mengetahui pengaruh pemberian POC buah pepaya dan pupuk organik ampas teh terhadap pertumbuhan dan produksi tanaman terung ungu. Penelitian ini menggunakan model Rancangan Acak Kelompok (RAK) faktorial dengan 2 faktor perlakuan, faktor pertama yaitu pemberian POC buah pepaya dengan 3 taraf perlakuan, yaitu: P_0 = kontrol, P_1 = 25 ml/liter air/plot dan P_2 = 50 ml/liter air/plot. Faktor kedua yaitu pemberian pupuk organik ampas teh dengan 3 taraf perlakuan yaitu A_0 = kontrol, A_1 = 0,5 kg/plot dan A_2 = 1 kg/plot. Parameter yang diamati adalah tinggi tanaman, diameter batang, jumlah cabang dan produksi per tanaman

Hasil penelitian menunjukkan bahwa peningkatan dosis POC buah pepaya berpengaruh meningkatkan pertumbuhan tinggi tanaman dan jumlah cabang serta meningkatkan produksi terung ungu per tanaman sampel namun tidak berpengaruh terhadap pertumbuhan diameter batang. Peningkatan dosis pupuk organik ampas teh berpengaruh meningkatkan pertumbuhan tinggi tanaman, jumlah cabang dan diameter batang tanaman terung ungu serta berpengaruh meningkatkan produksi tanaman terung ungu per tanaman sampel. Kombinasi pemberian dosis POC buah pepaya dan pupuk organik ampas teh tidak berpengaruh nyata terhadap seluruh parameter yang diamati.

Kata Kunci : Tanaman Terung Ungu, Pupuk Organik Cair Buah Pepaya, Pupuk Organik Ampas Teh

SUMMARY

This research was conducted in the experimental field of the Faculty of Agriculture, Islamic University of North Sumatra, Jln. Karya Wisata, Medan Johor, Medan City, North of Sumatra. The altitude is ± 25 masl, with a flat topography and a soil type of the order Inceptisol. This research was started from March to August 2022. The aim of this study was to determine the effect of giving papaya fruit liquid organic fertilizer and tea dregs organic fertilizer on the growth and production of purple eggplant. This study used a factorial Randomized Block Design (Randomized Block Design) model with 2 treatment factors, the first factor was giving papaya fruit liquid organic fertilizer with 3 treatment levels, namely: $P_0 = \text{control}$, $P_1 = 25 \text{ ml/liter of water/plot}$ and $P_2 = 50 \text{ ml/liter water/plots}$. The second factor is the provision of organic tea dregs fertilizer with 3 treatment levels, namely $A_0 = \text{control}$, $A_1 = 0.5 \text{ kg/plot}$ and $A_2 = 1 \text{ kg/plot}$. Parameters observed were plant height, stem diameter, number of branches and production per plant.

The results showed that increasing the dose of papaya fruit liquid organic fertilizer had an effect on increasing plant height growth and number of branches and increasing purple eggplant production per sample plant but had no effect on growth in stem diameter. Increasing the dose of tea dregs organic fertilizer has an effect on increasing plant height growth, number of branches and stem diameter of purple eggplant plants and has an effect on increasing purple eggplant plant production per sample plant. The combination of papaya fruit liquid organic fertilizer dosage and organic tea dregs fertilizer did not significantly affect all observed parameters.

Keywords : Purple Eggplant Plants, Papaya Liquid Organic Fertilizer, Tea Dregs Organic Fertilizer