ABSTRAK

Dora Halimatussakdyah, NIM 4181220001 (2018). Pengaruh Pemberian Pupuk Organik Cair Bonggol Pisang Terhadap Pertumbuhan dan Produksi Selada (*Lactuca sativa* L.Var. Grand rapids F1)

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian pupuk organik cair bonggol pisang terhadap pertumbuhan dan produksi selada (*Lactuca sativa* L. Var Grand rapids F1). Penelitian ini dilaksanakan pada 15 Maret 2022 sampai dengan 20 Mei 2021 di desa Tebing Tinggi Pangkatan Aek Nabara. Jenis penelitian ini adalah penelitian eksperimental dengan Rancangan Acak Kelompok Non-Faktorial. Jumlah perlakuan adalah 5 jumlah sampel dan 5 ulangan. Analisis data menggunakan Analisis Varians (ANAVA) dilanjutkan dengan uji *Duncan Multiple Range Test* (DMRT). Parameter yang diamati dalam penelitian ini adalah tinggi tanaman, jumlah daun, berat basah tanaman per-polibag, dan panjang akar. Dari hasil penelitian diperoleh bahwa pupuk organik cair bonggol pisang berpengaruh nyata terhadap pertumbuhan dan produksi selada (*Lactuca sativa* L. Var. Grand rapids F1), yang terbaik pertumbuhannya didapatkan pada dosis P4 sebanyak 25% (250 ml POC + 750 ml air) rata-rata tinggi tanaman 42 Hst yaitu 22 cm, rata-rata jumlah daun 42 Hst yaitu 21 helai, rata-rata berat basah tanaman per-polibag yaitu 92,68 gram, dan rata-rata panjang akar yaitu 19,8 cm. Pemberian pupuk organik cair dari bonggol pisang berpengaruh nyata terhadap pertumbuhan dan produksi selada (*Lactuca sativa* L. Var. Grand rapids F1).

Kata kunci : *Tanaman selada, pupuk organik cair, bonggol pisang*

ABSTRACT

Dora Halimatussakdyah, NIM 4181220001 (2018). The Effect Of Liquid Organic Fertilizer From Banana Weevil On Growth And Lecttuce Production (*Lactuca sativa* L. Var. Grand rapids F1)

This study aims to determine the effect of liquid organic fertilizer application on banana weevil on the growth and production of lettuce (Lactuca sativa L. Var Grand rapids F1). This research was carried out from March 15, 2022 to May 20, 2021 in the village of Tebing Tinggi Pangkatan Aek Nabara. This type of research is an experimental study with a Randomized Non-Factoral Block Design. The number of treatments was 5 samples and 5 replications. Data analysis used Analysis of Variance (ANOVA) followed by *Duncan Multiple Range Test* (DMRT). Parameters observed in this study were plant height, number of leaves, plant wet weight per polybag, and root length. From the results of the study, it was found that liquid organic fertilizer of banana weevil had a significant effect on the growth and production of lettuce (*Lactuca sativa* L. Var. Grand rapids F1), the best growth was obtained at a dose of P4 as much as 25% (250 ml POC + 750 ml water) on average. the average plant height was 42 DAP, which was 22 cm, the average number of leaves was 42 DAP, which was 21 strands, the average wet weight of the plant per polybag was 92.68 grams, and the average root length was 19.8 cm. The application of liquid organic fertilizer from banana weeds had a significant effect on the growth and production of lettuce (Lactuca sativa L. Var. Grand rapids F1).

Keywords : *Lettuce, liquid organic fertilizer, banana weevil*