PENGARUH PEMBERIAN KOMPOS AMPAS TEBU TERHADAP PERTUMBUHAN BIBIT KELAPA SAWIT (*Elaeis guineensis* Jacq.) DI *MAIN NURSERY*

SKRIPSI

OLEH

YELINDA ELFIA SAFITRI
1510241033

PEMBIMBING

1. Dr. Ir. Benni Satria, MP
2. Ade Noferta, SP. MP

FAKULTAS PERTANIAN
KAMPUS III UNIVERSITAS ANDALAS
DHARMASRAYA

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ABSTRAK

Penelitian ini bertujuan untuk melihat pengaruh dan mendapatkan dosis kompos ampas tebu terbaik dalam mendorong pertumbuhan bibit kelapa sawit di fase *main nursery*. Penelitian ini menggunakan metode percobaan dalam Rancangan Acak Lengkap (RAL) dengan 5 taraf perlakuan dan 4 ulangan sehingga diperoleh 20 satuan percobaan. Sampel perlakuan terdiri atas 2 bibit sawit yang masing-masing ditanam dipolybag sehingga terdapat 40 unit percobaan. Adapun taraf percobaan sebagai berikut; 0 g, 500 g, 1000 g, 1500 g, dan 2000 g kompos ampas tebu. Variabel yang diamati yaitu tinggi tanaman, panjang daun, lebar daun, jumlah daun dan diameter bonggol. Hasil penelitian menunjukan kompos ampas tebu memberikan pengaruh yang baik dalam mendorong pertumbuhan bibit kelapa sawit pada fase *main nursery* dengan dosis terbaik 1500 g/polybag. Pengaruhnya dapat dilihat pada variabel tinggi tanaman, panjang daun, lebar daun dan bonggol kelapa sawit. Namun tidak memperlihatkan pengaruh yang signifikan pada pertumbuhan jumlah daun.

Kata kunci : Kelapa sawit, pembibitan, kompos, ampas tebu, pertumbuhan tanaman.

EFFECT OF SUGARCANE BAGASE COMPOST ON THE GROWTH OF OIL PALM SEEDLING(*Elaeis guineensis* Jacq.) IN MAIN NURSERY

ABSTRACT

The objective of this study was to know the effect and obtain the best dose of sugarcane bagasse compost to encourage the growth of oil palm seedings in the main nursery phase. This study used the experimental method in Completely Randomized Design (CRD) consisted of 5 treatment levels and replicated 4 times so obtained 20 experimental units. The sample treatment consisted of 2 oil palm seedlings which were planted in polybag so there were 40 sample crops. The treatments were: 0 g, 500 g, 1000 g, 1500 g, and 2000 g sugarcane bagasse compost. The variables observed were plant height, leaf length, leaf width, leaf number and stem diameter. The results showed that sugarcane bagasse compost had a good effect to encouraged the growth of oil palm seedlings in the main nursery phase with the best dose is 1500 g / polybag. Its effect was seen on variable plant height, leaf length, leaf width and stem diameter of oil palm seedling, but it did not show a significant effect on the number of leaves variable.

Keywords : Bagasse, oil palm, compost, nursery, plant growth.