RESPONS PERTUMBUHAN BIBIT KELAPA SAWIT (*Elaeis guineensis* Jacq.) TERHADAP PEMBERIAN BERBAGAI DOSIS ZEOLIT DI *MAIN NURSERY*

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ABSTRAK

Penelitian ini dilaksanakan dengan tujuan untuk mempelajari respons pertumbuhan bibit kelapa sawit (*Elais guineensis* Jacq.) di *main nursery* terhadap pemberian berbagai dosis zeolit dan untuk memperoleh dosis zeolit yang terbaik pada pertumbuhan bibit kelapa sawit *(Elaeis guineensis* Jacq.) di *Main Nursery*. Dosis yang digunakan pada penelitian ini adalah 50 g/*polybag*, 75 g*/polybag*, 100 g/polybag, 125 g/*polybag* dan 150 g/*polybag*. Penelitian disusun menurut Rancangan Acak Lengkap dengan 4 ulangan. Berdasarkan hasil penelitian pemberian berbagai dosis zeolit dengan dosis 50 g/*polybag* memberikan pengaruh nyata terhadap variabel tinggi bibit, diameter bonggol, jumlah daun, luas daun total, bobot kering tajuk, rasio tajuk akar dan memberikan pengaruh tidak nyata pada variabel bobot kering akar.

Kata Kunci : Tanaman Kelapa Sawit, Zeolit

ABSTRACT

This research was carried out with the aim of studying the growth response of oil palm *(Elaeis guineensis* Jacq.) seedling in the *Main Nursery* to the administration of various doses of zeolite and to obtain the best dose of zeolite for the growth of oil palm *(Elaeis guineensis* Jacq.) seedling in the *Main Nursery*. The doses used in this study were 50 g/*polybag*, 75 g/ *polybag*, 100 g/ *polybag*. 125 g/ *polybag* and 150 g/ *polybag*. The research was structured according to a completely randomized design with 4 replications. Based on the research results, administering various doses of zeolite at a dose of 50 g/ *polybag* had a real effect on the variables of seed height, tuber diameter, number of leaves, total leaf area, shoot dry weight, root shoot ratio and had an insignificant effect on the root dry weight variable.

Keywords : Oil Palm Plants, Zeolite