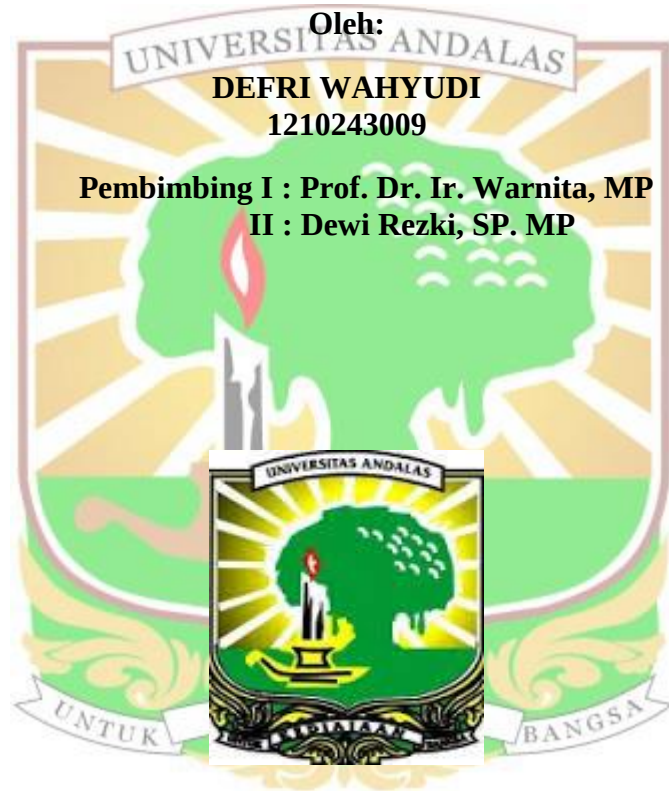


**PEMANFAATAN TANAH BEKAS TAMBANG BATUBARA
YANG DITAMBAH DENGAN KOMPOS TANDAN KOSONG
KELAPA SAWIT UNTUK PEMBIBITAN KELAPA SAWIT (*Elaeis
guineensis* jacq.) TAHAP MAIN NURSERY**

SKRIPSI



**JURUSAN BUDIDAYA PERKEBUNAN
PROGRAM STUDI AGROEKOTEKNOLOGI
FAKULTAS PERTANIAN UNIVERSITAS ANDALAS
KAMPUS III DHARMASRAYA**

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**PEMANFAATAN TANAH BEKAS TAMBANG BATUBARA YANG
DITAMBAH DENGAN KOMPOS TANDAN KOSONG KELAPA SAWIT
UNTUK PEMBIBITAN KELAPA SAWIT (*Elaeis guineensis* jacq.) TAHAP
MAIN NURSERY**

ABSTRAK

Penelitian pemanfaatan tanah bekas tambang batubara yang ditambah dengan kompos tandan kosong kelapa sawit untuk pembibitan kelapa sawit (*elaeis guineensis* jacq.) tahap main nursery telah dilaksanakan di Kebun percobaan Universitas Andalas Kampus III Dharmasraya dari bulan November sampai Januari 2017. Penelitian ini bertujuan untuk mengetahui pengaruh pemberian kompos tandan kosong kelapa sawit dengan media tanam tanah bekas tambang batubara guna optimalisasi pertumbuhan bibit kelapa sawit pada pembibitan utama (main nursery). Perlakuannya adalah komposisi media tanam, 100% tanah bekas tambang batubara, 75% tanah bekas tambang batubara + 25% kompos tandan kosong kelapa sawit, 50% tanah bekas tambang batubara + 50% kompos tandan kosong kelapa sawit, 25% tanah bekas tambang batubara + 75% kompos tandan kosong kelapa sawit. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) Setiap perlakuan diulang 6 kali, sehingga terdapat 24 satuan percobaan. Setiap satuan percobaan terdiri dari 2 tanaman, dengan demikian jumlah seluruh tanaman adalah 48 tanaman. Pengamatan yang diamati dalam penelitian ini adalah tinggi tanaman, jumlah daun, diameter bonggol, total luas daun, bobot kering tanaman, bobot kering akar, rasio tajuk akar. Hasil penelitian menunjukkan bahwa media tanam tanah bekas tambang batubara dengan pemberian kompos tandan kosong kelapa sawit tidak berpengaruh terhadap pertumbuhan bibit kelapa sawit tahap main nursery.

Kata kunci : *Kompos, Tandan Kosong Kelapa Sawit, Kelapa Sawit, Pembibitan Utama, Tanah bekas tambang batubara.*



**UTILIZATION of SOIL of a FORMER COAL COUPLED with EMPTY
PALM BUNCHES of COMPOST for NURSERY OIL PALM (*Elaeis guineensis*
jacq.) STAGE PLAY NURSERY**

ABSTRACT

The study utilization of the soil of a former coal coupled with empty Palm bunches of compost for nursery oil palm (*Elaeis guineensis* jacq.) the stage of the main nursery has been implemented in an experimental Garden of the University of Andalas Campus Dharmasraya III from November to January 2017. This research aims to know the influence of the giving of the empty Palm bunches of compost with the soil planting media former coal mines in order to optimize the growth of oil palm seedlings at the nursery's main (main nursery). Treatment is the composition of planting medium, 100% of the former coal mine, 75% of the former coal mine + 25% compost of empty palm oil bunches, 50% of the former coal mine + 50% compost of empty palm oil bunches, 25% of the former coal mine + 75% compost of empty palm oil bunches. This study used a Randomized Complete Design (RCD) per treatment is repeated 6 times, so there are 24 units of the experiment. Each unit consisted of two experimental plants, thus the number of the whole plant is 48 plants. Observations are observed in this study is tall plants, number of leaves, of diameter, total dry weight of leaves, wide plant dry weight, root, root header ratio. The results showed that soil planting media former coal mines by administering an empty Palm bunches compost does not influence on the growth of oil palm seedling stage main nursery.

Key words: compost, palm oil empty fruit bunches, palm oil, the main Nursery, of the former coal mine.

