

**PENGARUH BEBERAPA KOMPOSISI MEDIA TANAM DAN
DOSIS KOMPOS TKKS (TANDAN KOSONG KELAPA
SAWIT) TERHADAP PERTUMBUHAN BIBIT KELAPA
SAWIT (*Elaeis guineensis* Jacq.) DI MAIN NURSERY**

SKRIPSI



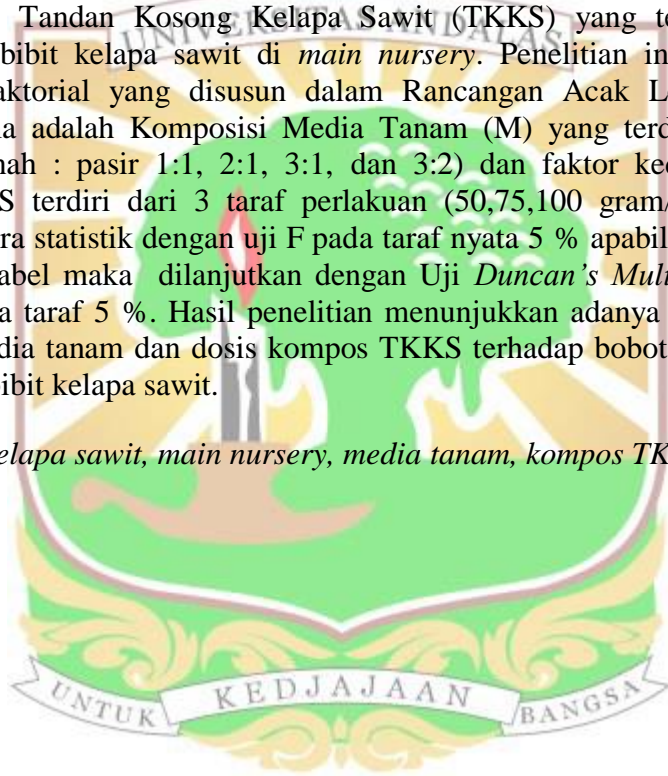
**FAKULTAS PERTANIAN
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PENGARUH BEBERAPA KOMPOSISI MEDIA TANAM DAN DOSIS KOMPOS TKKS (TANDAN KOSONG KELAPA SAWIT) TERHADAP PERTUMBUHAN BIBIT KELAPA SAWIT (*Elaeis guineensis* Jacq.) DI MAIN NURSERY

Abstrak

Penelitian ini telah dilaksanakan di Kebun Percobaan Fakultas Pertanian, Universitas Andalas Padang dan Laboratorium Fisiologi Tumbuhan dari bulan Februari sampai Mei 2019. Tujuan dari penelitian ini adalah untuk mengetahui komposisi media tanam tanah ultisol : pasir yang tepat dan pemberian beberapa dosis kompos Tandan Kosong Kelapa Sawit (TKKS) yang terbaik terhadap pertumbuhan bibit kelapa sawit di *main nursery*. Penelitian ini menggunakan Rancangan Faktorial yang disusun dalam Rancangan Acak Lengkap (RAL). Faktor pertama adalah Komposisi Media Tanam (M) yang terdiri dari 4 taraf perlakuan (tanah : pasir 1:1, 2:1, 3:1, dan 3:2) dan faktor kedua yaitu dosis kompos TKKS terdiri dari 3 taraf perlakuan (50,75,100 gram/*polybag*). Data dianalisis secara statistik dengan uji F pada taraf nyata 5 % apabila F hitung lebih besar dari F tabel maka dilanjutkan dengan Uji *Duncan's Multiple Range Tes* (DMRT) pada taraf 5 %. Hasil penelitian menunjukkan adanya interaksi antara komposisi media tanam dan dosis kompos TKKS terhadap bobot segar bibit dan bobot kering bibit kelapa sawit.

Kata kunci : kelapa sawit, main nursery, media tanam, kompos TKKS



**THE EFFECT OF COMPOSITION OF PLANT MEDIA AND
DOSAGE COMPOST OF TKKS (OIL PALM EMPTY
BUNCHES) ON GROWTH OF OIL PALM SEEDLING
(*Elaeis guineensis* Jacq.) IN MAIN NURSERY**

ABSTRACT

This research was carried out in the Experimental Garden of the Faculty of Agriculture, Andalas University, Padang and the Plant Physiology Laboratory from February to May 2019. The purpose of this study was to determine the composition of the growing media of ultisol soil; proper sand and application of several doses of Oil Palm Empty Fruit Bunch Compost (TKKS) for the best growth of oil palm seedlings in the main nursery. This research uses factorial design which is arranged in a completely randomized design (CRD). The first factor is the composition of the planting media (M) which consists of 4 levels of treatment (soil: sand 1: 1, 2: 1, 3: 1, and 3: 2) and the second factor is the TKKS compost dose consisting of 3 levels of treatment (50, 75, 100 grams / polybag). The data were statistically analyzed by the F test at the 5% significance level if the F count was greater than the F table then it was followed by the Duncan's Multiple Range Test (DMRT) at the 5% level. The results showed an interaction between the composition of the planting medium and the dose of TKKS compost on fresh weight of seedlings and dry weight of oil palm seedlings.

Key word: palm oil, main nursery, planting media, TKKS compost

