

## SKRIPSI

### **PENGARUH KOMBINASI MEDIA TANAM DAN DOSIS PUPUK NPK TERHADAP RESPON PERTUMBUHAN BIBIT KELAPA SAWIT**

*(Elaeis guineensis Jacq) DI PRE NURSERY*

#### INTISARI

Penelitian ini dilakukan pada bulan Maret sampai dengan Juni 2021, Kepuh GK III, Gang Sawo No. 877, Kelurahan Klitren, Kecamatan Gondokusuman, Yogyakarta. Tujuan dari penelitian ini untuk mengetahui pengaruh kombinasi media tanam dan dosis pupuk npk terhadap respon pertumbuhan bibit kelapa sawit. Penelitian ini merupakan percobaan faktor tunggal yang disusun dalam Rancangan Acak Lengkap (RAL) dengan tiga ulangan. Perlakuan yang diujikan adalah kombinasi media tanam dan dosis pupuk NPK yaitu dengan media tanam tanah 100% dan NPK 0 gram/liter, media tanam tanah 100% dan dosis NPK 2.25 gram/liter, media tanam tanah 100% dan dosis NPK 3.5 gram/liter, kombinasi media tanam tanah 75 % + kompos 25 % dan NPK 0 gram/liter, kombinasi media tanam tanah 75 % + kompos 25 % dan dosis NPK 2.25 gram/liter, kombinasi media tanam tanah 75 % + kompos 25 % dan dosis NPK 3.5 gram/liter, kombinasi media tanam tanah 50% + kompos dan NPK 0 gram/liter, kombinasi media tanam tanah 50% + kompos dan dosis NPK 2.25 gram/liter dan kombinasi media tanam tanah 50% + kompos dan dosis NPK 3.5 gram/liter. Hasil penelitian menunjukkan bahwa kombinasi media tanam tanah 50% + kompos dan dosis NPK 3.5 gram/liter menghasilkan pertumbuhan terbaik pada bibit kelapa sawit.

Kata kunci :. *Media, Dosis, Pupuk NPK dan Bibit Kelapa Sawit*

## **SKRIPSI**

### **EFFECT OF COMBINATION OF PLANTING MEDIA AND DOSAGE OF NPK FERTILIZER ON THE GROWTH RESPONSE OF OIL PALM SEEDS(*Elaeis guineensis* Jacq) AT PRE NURSERY**

#### **ABSTRACT**

This research was conducted from March to June 2021, Kepuh GK III, Gang Sawo No. 877, Klitren Village, Gondokusuman District, Yogyakarta. The purpose of this study was to determine the effect of the combination of planting media and dose of npk fertilizer on the growth response of oil palm seedlings. This research is a single factor experiment arranged in a Completely Randomized Design (CRD) with three replications. The treatments tested were a combination of planting media and dose of NPK fertilizer, namely 100% soil planting media and 0 gram/liter NPK, 100% soil planting medium and 2.25 gram/liter NPK dose, 100% soil planting medium and 3.5 grams/liter NPK dose. , a combination of 75% soil planting media + 25% compost and NPK 0 gram/liter, a combination of 75% soil planting media + 25% compost and a dose of NPK 2.25 grams/liter, a combination of 75% soil planting media + 25% compost and a dose of NPK 3.5 gram/liter, a combination of 50% soil planting media + compost and NPK 0 gram/liter, a combination of 50% soil planting media + compost and a dose of NPK 2.25 grams/liter and a combination of 50% soil planting media + compost and a NPK dose of 3.5 grams/liter . The results showed that the combination of 50% soil + compost and NPK dose of 3.5 grams/liter resulted in the best growth in oil palm seedlings.

**Keywords :** *Media, Dosage, NPK Fertilizer and Oil Palm Seeds*