

EFEKTIFITAS PUPUK HAYATI DAN PUPUK KANDANG AYAM TERHADAP PERTUMBUHAN BIBIT KELAPA SAWIT DI PEMBIBITAN AWAL

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INTISARI

Penelitian dengan tujuan untuk mengetahui efektifitas pupuk hayati dan pupuk kandang ayam terhadap pertumbuhan bibit kelapa sawit di pembibitan awal. Penelitian dilaksanakan di Jurug, Desa Agrosari, Kecamatan Sedayu, Kabupaten Bantul, Provinsi Yogyakarta dimulai dari Maret- Juni 2019. Metode yang digunakan adalah Rancangan Acak Lengkap (RAL) satu faktor dengan 10 perlakuan dan 3 ulangan. Hasil Penelitian ini menunjukkan ada pengaruh nyata pada variabel pengamatan jumlah daun umur 60 dan 90 HST, bobot segar dan bobot kering tajuk, volume akar dan rasio tajuk akar serta menunjukkan tidak berpengaruh nyata pada tinggi tanaman, jumlah daun umur 30, 45 dan 75 HST dan bobot segar dan bobot kering akar. Namun demikian perlakuan pemberian pupuk petrobio 10 ton/ha dan pupuk kandang ayam 30 ton/ha cenderung memberikan pertumbuhan yang lebih baik dibandingkan dengan perlakuan lainnya.

Kata Kunci : bibit kelapa sawit, pembibitan awal, pupuk kandang ayam, pupuk petrobio dan subsoil.

**EFFECTIVITY OF BIOFERTILIZERS AND CHICKEN MANURE
ON GROWTH OF OIL PALM SEEDLING
IN PRE-NURSERY**

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ABSTRACT

Research with the aim to know the effectivity of biofertilizers and chicken manure on growth of oil palm seedling in Pre-nursery. This research was conducted in Jurug, Agrosari village, Sedayu, Special Region of Yogyakarta started from March–June 2019. The method used was a Completely Randomised Design (CRD) with one factor with 10 treatments and 3 repeatations. The results of this research indicate that there was a noticeable influence on the observation variables of the number of leaves aged 60 and 90 days after planted, fresh weight and the header's dry weight, root volume and root header ratio and showed no real effect on the plant height, the number of leaves aged 30, 45 and 75 days after planted and fresh weights and dry root weights. However, treatments with 10 tonnes/ha of petrobio fertilizer and 30 tonnes/ha of chicken manure tend to provide better growth amongst the treatments.

Keywords: oil palm seedlings, early breeding, chicken manure, petrobio and subsoil fertilizers.