

**PERTUMBUHAN BIBIT KELAPA SAWIT PRE-NURSERY DI TIGA  
JENIS TANAH DENGAN APLIKASI CENDAWAN MIKORIZA  
ARBUSKULAR**

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**INTISARI**

Penelitian tentang pertumbuhan bibit kelapa sawit Pre-Nursery di tiga jenis tanah ( pasir, kapur dan masam) dengan aplikasi Cendawan Mikoriza Arbuskular, telah dilakukan di Dusun Kepuhan, Desa Agrorejo, Kecamatan Sedayu, Kabupaten Bantul, Daerah istimewa Yogyakarta dari bulan Maret 2021- Juni 2021. Penelitian ini bertujuan untuk mengetahui pertumbuhan dan media yang terbaik untuk pertumbuhan bibit kelapa sawit pre-nursry. Penelitian ini merupakan percobaan faktor tunggal yang disusun dalam Rancangan Acak Lengkap (RAL) yang terdiri dari 4 perlakuan dan 3 ulangan, setiap ulangan terdiri dari 5 tanaman. Hasil penelitian menunjukkan adanya pengaruh nyata terhadap media tanam dengan penambahan CMA 20 gram pada pertumbuhan bibit kelapa sawit. Pengaruh nyata terjadi pada media pasir yaitu jumlah daun, bobot segar tanaman dan bobot kering tanaman. Dari hasil penelitian dapat dilihat bahwa perlakuan media tanah pasir dengan penambahan CMA 20 gram merupakan media terbaik dibandingkan dengan media tanah kapur, tanah masam dan kontrol.

**Kata Kunci : Bibit kelapa sawit, pembibitan, Media tanam dan CMA.**

***PRE-NURSERY PALM OIL SEEDLING GROWTH IN THREE TYPES OF SOIL WITH ARBUSCULAR MYCORRHIZA FUNGI***

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***ABSTRACT***

*Research on the growth of oil palm seedlings in three types of soil and the addition of Arbuscular Mycorrhizal Fungi (CMA) in the Pre-Nursery stage, has been carried out in Kepuhan Hamlet, Agrotejo Village, Sedayu District, Bantul Special Region of Yogyakarta from March 2021-June 2021. Research This study aims to determine the best media for the growth of pre-nursery oil palm seedlings. This study is a single Regency, factor experiment arranged in a Completely Randomized Design (CRD) consisting of 4 treatments and 3 replications, each replication consisting of 5 plants. The results showed that there was a significant effect on the planting medium with the addition of 20 grams of CMA on the growth of oil palm seedlings. The real effect occurred on the sand media, namely the number of leaves, fresh plant weight and plant dry weight. From the results of the study, it can be seen that the treatment of sandy soil media with the addition of 20 grams of CMA is the best medium compared to lime soil, acid soil and control media.*

***Keywords:*** *Oil palm seeds, nurseries, planting media and CMA.*