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PENGARUH INOKULASI CENDAWAN MIKORIZA ARBUSKULA (CMA) DAN BERBAGAI TARAF PUPUK P TERHADAP KADAR P DAUN DAN KUALITAS BIBIT KELAPA SAWIT (*Elaeis guineensis* Jacq.) DI PEMBIBITAN PENDAHULUAN

The effect of Vescicular-arbuscular Mycorrhizae (VAM) inoculation and P Fertilizer Levels on P Leaf Content and Quality of Oilpalm Seedling (Elaeis guineensis Jacq.) at Pre Nursery

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ABSTRACT

Glasshouse experiment was conducted to study the effect of mycorrhizae inoculation and it's interaction with P supply on P leaf content and quality of oilpalm seedling. Factorial experiment was arranged in Randomized Block Design with three replications. The first factor were mycorrhizae inoculation : without inoculation, mixed mycorrhizae, Acaulospora sp, Glomus manihotis, Glomus sp.1, Glomus sp.2 , Glomus sp.3. The second factor were level of Roch Phosphate fertilizer : 0 g/seedling, 2 g/seedling, 4 g/seedling and 6 g/seedling.

Mycorrhizae inoculation affected the P leaf content and percentage of infection significantly. Glomus sp decreased P leaf content. Acaulospora sp. gave the best quality of seedling, but Glomus sp.3 gave the bad one. The Rock Phosphate application did not affect on P leaf content absorption efficiency and inoculation percentage due to high soil phosphorus content.

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