

- Leuwakabessy, F. M. 1988. Kesuburan tanah. Departemen Ilmu-ilmu Tanah, Fakultas Pertanian IPB. Bogor.
- Hawkes, H. A., I. M. Lamon and E. I. Clarck. 1987. Unit processes activated sludge. The Institute of Water Pollution Control. Maidstone. United Kingdom.
- Sastrowijono, S. dan G. Soepardi. 1992. Gula stevia sebagai alternatif pemanis dalam hubungannya dengan swasembada gula. Seminar sehari tentang Stevia Mervantile Club. Jakarta.
- Sayaka, B. 1987. Pengaruh pemberian pupuk kandang dan nitrogen terhadap pertumbuhan dan produksi stevia (*Stevia rebaudiana* Bertono M.). Fakultas Pertanian IPB. Bogor.
- Soepardi, G. 1983. Sifat dan Ciri Tanah. Departemen Ilmu-ilmu Tanah. Fakultas Pertanian IPB. Bogor.
- Sugiharto. 1987. Dasar-Dasar Pengolahan Limbah. edisi ke-1. UI-Press. Jakarta.

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

**Eko Sulistyono<sup>1)</sup>, M.H. Bintoro Djoefrie<sup>1)</sup> dan Ismantiri Heningtyas<sup>2)</sup>**

**ABSTRACT**

*Glasshouse experiment was conducted to study the effect of mycorrhizae inoculation and its 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 Rock 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.*

<sup>1)</sup> Dosen Jurusan Budidaya Pertanian, Faperta, IPB

<sup>2)</sup> Mahasiswa Jurusan Budidaya Pertanian, Faperta, IPB