

**PENGARUH MEDIA DAN TEMPAT TUMBUH TERHADAP PERTUMBUHAN
ANAKAN *Eucalyptus urophylla* dan *Eucalyptus pellita*
(The effect of media and growth location on *Eucalyptus urophylla* and *Eucalyptus pellita*
seedlings)**

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ABSTRACT

This report described the results of organic fertilizers application on the growing media of *Eucalyptus urophylla* and *Eucalyptus pellita* seedlings for five-month durations. The objective of this study was the effect of organic fertilizer application, tablet of mycorrhiza fertilizer and container for sapling to height and diameter growth of *Eucalyptus urophylla* and *Eucalyptus pellita* seedlings.

The results revealed that the container as polybag gave the best effect on the plant growth compared to polytube indicated by increasing height and diameter growth. Media composition with a mixture of soil + organic fertilizer + tablet of mycorrhiza organic fertilizer was the best, followed by a mixture soil + tablet of mycorrhiza organic fertilizer, and soil + organic fertilizer. Adding tablet of mycorrhiza organic fertilizer to the growth media of *Eucalyptus urophylla* and *Eucalyptus pellita* showed that the plant growth became better rather than without adding tablet of mycorrhiza organic fertilizer.

Keywords : Organic fertilizer, mycorrhiza, seedling, growth2

ABSTRAK

Tulisan ini menyajikan hasil penelitian penggunaan pupuk organik dan pupuk organik mikoriza dari sludge industri pulp pada dua jenis anakan Ekaliptus selama lima bulan di Rumah Kaca. Tujuan penelitian adalah untuk mengetahui pengaruh penambahan pupuk organik, tablet pupuk organik mikoriza dan tempat saph terhadap pertumbuhan anakan *Eucalyptus urophylla* dan *Eucalyptus pellita*. Hasil penelitian menunjukkan bahwa tempat saph berupa polybag memberikan pengaruh yang terbaik terhadap pertumbuhan tanaman di bandingkan polytube, ditandai dengan terjadinya peningkatan pertumbuhan tinggi dan diameter. Komposisi media dengan campuran tanah + PO + tablet POM merupakan yang terbaik, diikuti campuran tanah + tablet POM dan campuran tanah + PO. Penambahan tablet POM pada media tanam anakan *Eucalyptus urophylla* dan *Eucalyptus pellita* menunjukkan bahwa pertumbuhan tanaman lebih baik dibandingkan tanpa tablet POM.

Kata kunci : pupuk organik, mikoriza, anakan, pertumbuhan

