

**The Study of Dendrology of Host Trees of The Pandanus Orchid
(*Vanda tricolor* Lindl.) in KSDA Forest Kaliurang
Daerah Istimewa Yogyakarta Province**

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ABSTRACT

Tropical rain forests of Indonesia store great biological varieties. Pandanus orchid (*Vanda tricolor* Lindl.) is one type of flora, which has a high aesthetic value, but now its existence in nature is getting more and more rare. In accordance to that, an effort is needed to raise the population of this type of flora. The purposes of this research are to present a brief description, to identify and to arrange the determination key of the types of tree, which usually grown by the pandanus orchid (*V. tricolor* Lindl.) as their host. This research is an effort to relocate this species to the forest especially the KSDA forest in Kaliurang as its natural habitat.

This research was held for about four months. As details: field exploration was held from September to November 2002 and laboratory research in December 2002, at the Laboratory of Dendrology, Faculty of Forestry, Gadjah Mada University. The methods used in this research were: purposive exploration method to collect the research material in the form of herbarium, descriptive method using complete description of plants, and also identification method using the existed specimens references, or with literature, the book of trees atlas, also with the book of determination key as comparison.

From this research, there were eight species of the pandanus orchid's host found. They are: *Artocarpus elasticus* Reinw. ex. Bl., *Casuarina junghuhniana* Miq., *Samanea saman* Merr., *Spathodea campanulata* Beauv., *Schima Wallichii* (DC.) Korth ssp. *Noronhae*, *Eugenia grandis* Wight., and *Erythrina lithosperma* Miq.

Keyword: dendrology, host trees, *Vanda tricolor* Lindl.

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