

**THE GROWTH OF ORCHID (*Dendrobium var. dian agrihorti*) IN  
VARIOUS COMBINATIONS OF GROWING MEDIA, LIQUID  
ORGANIC FERTILIZER AND VITAMIN**

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**ABSTRACT**

*Dendrobium* is an interesting kind of orchid as it has long freshness, various forms and colours. It is a plant with long and flexible stalks as well. The aims of this research are; 1) identify the effect of various combinations of growing media, liquid organic fertilizer and vitamin, 2) determining the best chosen combination of those treatments in *Dendrobium* sp. This study uses completely randomize design with single factor. The media are fern root and *kadaka* root. Each media is combined with liquid organic fertilizer and vitamin with different concentrations. The data is analized by using ANOVA and DMRT test at a significant level of 5 %. The result of study shows that there is a significant effect towards the growth of *Dendrobium* sp. influenced by the combinations above. The best chosen combinations are kadaka root + LOF 10 ml/L + vitamin B1 0,5 ml/L and kadaka root + LOF 10 ml/L + vitamin B1 3 ml/L at 21,00 days and 23,75 days seen from the period of leaf emergence.

**Keywords:** growing media, LOF, vitamin, *Dendrobium* sp.