

**ACCLIMATIZATION OF THE *Dendrobium striaenopsis* ORCHID IN  
VARIOUS TYPES OF CULTIVING MEDIA AND FOOD  
CONCENTRATIONS**

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**ABSTRACT**

Orchids are one of the most popular flower plants and have high beauty and economic value. Orchid plant production from 2019 to 2021 continues to decline. One effort to increase the production of orchids is the use of tissue culture techniques. One of the stages in tissue culture is acclimatization. The research aimed to obtain the interaction between the growing media and the foliar fertilizer treatment, the best planting medium, and the right concentration of foliar fertilizer in acclimatizing *Dendrobium* orchids. The research was conducted from June to July 2023. The research method used a Completely Randomized Design (CRD) which consisted of 2 factors. The first factor was the planting medium consisting of 3 levels, namely husk charcoal, wood charcoal, and sphagnum moss. The second factor was the concentration of foliar fertilizer consisting of 3 levels, namely 1 g/l, 2 g/l, and 3 g/l. Observational data were analyzed by Analysis of Variance (ANOVA) at a significant level of 5% and if there was a significant difference it was carried out by Duncan's Multiple Range Test (DMRT) at a level of 5%. The results showed that there was no interaction between the growing media and the concentration of foliar fertilizers. Sphagnum moss growing media gave the best results on the parameters of the number of roots and root length. The use of foliar fertilizer with a concentration of 2 g/l gave the best results on the parameters of the number of leaves and leaf width.

**Keywords :** *Dendrobium* orchids, growing media, foliar fertilizer, growth, yield.