

**ACCLIMATIZATION PHASE II OF ORCHID (*Phalaenopsis* sp.) ON
VARIOUS CONCENTRATIONS OF LIQUID ORGANIC FERTILIZER
AND GROWTH MEDIA**

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ABSTRACT

Acclimatization phase II is carried out when transferring from compote to small pots. One way to support the success of the acclimatization of orchid is by applying liquid organic fertilizer and the right growth media. The aim of the research was to examine the interaction between the application of various concentrations of liquid organic fertilizer and the use of growth media and to determine the most appropriate concentration of liquid organic fertilizer and growth media for the acclimatization phase II of orchid. The research used a Split Plot Design with 2 factors. The main plot is the concentration of liquid organic fertilizer consists of 3 levels namely: 3 ml/L, 6 ml/L, and 9 ml/L. Sub plots is the growth media with 3 levels namely: kadaka roots, chopped ferns, and palm fiber. The results showed that there was no interaction between the concentration of liquid organic fertilizer and the growth media. Giving a concentration of 3 ml/L liquid organic fertilizer is better than 9 ml/L on the parameters of plant height and leaf length on average ages 56, 63, and 70 DAP, the longest leaf length at the beginning of planting, 56, 63, and 70 DAP. The use of chopped fern growth media was better than palm fiber on the parameters of plant height aged 63 and 70 DAP, the longest leaf length at the beginning of planting, 63, and 70 DAP, and the average leaf length at the beginning of planting and 70 DAP.

Key words : Acclimatization, Orchid *Phalaenopsis* sp., Liquid Organic Fertilizer, Growth Media