

**GROWTH OF DENDROBIUM ORCHID (*Dendrobium sp.*)  
ON THE ADDITION OF VARIOUS TYPES LIQUID ORGANIC  
FERTILIZER**

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**ABSTRACT**

Dendrobium orchid are plants that are in great demand by the public and have high economic value. The poor quality of orchids is something that can be determined from the cultivation method, including fertilization. This research aims to determine the effect of the combination of AB mix and various types of POC, determine the best type of combination of AB mix and POC and examine the comparison of combinations of AB mix fertilizer and types of POC with control fertilizer (AB mix). This study used a Completely Randomized Design including with a single factor consisting of 5 treatments + 1 control, namely 3 mL/L AB mix plus 150 mL/L POC rice washing water, coconut water, kepok banana skin, rabbit urin, cow urin and control (AB mix). Observations were analyzed using *Analysis of Variance* at 5% level and further tested by *Orthogonal Contrast Test* and *Duncan's Multiple Range Test* at 5% level. The results showed that the combination of AB mix and liquid organic fertilizer had a significant effect on leaf number parameters. The combination of AB mix and rabbit urin liquid organic fertilizer is best for the growth of Dendrobium orchids in terms of plant height, number of leaves, leaf length, number of tillers, length of tillers and number of roots. The combination of AB mix and liquid organic fertilizer is better on the parameters of the number of leaves than the control (AB mix)

**Key words :** Dendrobium orchid, liquid organic fertilization, AB mix