

**Aplikasi Benzil Amino Purine (BAP) terhadap Pertumbuhan Tanaman Anggrek *Dendrobium spp* Pada Tahap Aklimatisasi.**

*(The Effect of Benzyl Amino Purine (BAP) Cytokinins on the Growth of the Dendrobium SPP Orchid Acclimatization Stage) Supervised by Dr. Netty Ermawati, SP*

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**ABSTRACT**

*Dendrobium orchid is one of the most popular plants and is a favorite plant among Indonesian people because it has beautiful flowers and a distinctive aroma. The difficulty of conventional vegetative orchid production makes growth techniques with tissue culture (in vitro) a solution. The application of foliar fertilizers and time intervals is expected to increase the growth and quality of orchid seedlings during acclimatization. This research was carried out from December 2020 to January 2021 at the Handoyo Budi Orchids (HBO) Garden Jl. Kepuharjo Village Hall, Kedawung, Ngijo, Kec. Karang Ploso, Malang, East Java. The experimental design used was a completely randomized non-factorial design. consists of 4 levels which are repeated 6 times. There treatment, namely S0 = Control, S1= 1 ppm BAP cytokinin, S2= 2 ppm BAP cytokinin, S3= 3 ppm BAP cytokinin, S4= 4 ppm BAP cytokinin. Observations were made at the beginning before being given treatment and observed at the end of the treatment. Data analysis using the F test formula (Anova) and further testing using BNT with an error rate of 5%. The results showed that the administration of cytokinin solution in Dendrobium orchids was significantly different in the parameters of leaf number, leaf length, leaf width, plant height, using cytokinin solution Benzil Amino Purin (BAP) at 3 ppm.*

**Keywords : *Dendrobium orchids, Benzyl Amino Purine (BAP)***