Pengaruh Konsentrasi dan Interval Pemberian Pupuk Daun Terhadap Pertumbuhan Anggrek *Dendrobium spp.* Pada Tahap Aklimatisasi.
(*The Effect of Concentration and Interval of Foliar Fertilizer on the Growth of Dendrobium spp. Orchids in the Acclimatization Stage). Supervised by : Dr. Netty Ermawati, SP*

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ABSTRACT

The Dendrobium spp. orchid is one of the most popular and a favorite orchid among Indonesian people because it has beautiful flowers and a distinctive aroma. The difficulty of in vitro cultivation of orchids at the acclimatization stage The application of foliar fertilizers and time intervals is expected to increase the growth and quality of orchid seedlings during acclimatization. This research was conducted from January to April 2021 at the Green House of Jember Polytechnic Network Culture. The experimental design used was a factorial completely randomized design with 2 factors. Each factor consists of 3 levels which are repeated 3 times. The first factor is foliar fertilizer 0 gr / l (P0), foliar fertilizer 1 g / l (P1), foliar fertilizer 2 gr / l (P2). The second factor is the interval of time for giving foliar Fertilizer 5 days (W1), 10 days (W2), and 15 days (W3). Data analysis using the f test formula (ANNOVA) and further testing using Duncan Multiple Range Test (DMRT) with an error rate of 5%. The results showed that the application of foliar fertilizer was very significant on the parameters of the number of leaves and the emergence of new shoots. While the interval of foliar fertilizer application showed a significantly different effect on the parameters of leaf length and leaf width. The interaction of foliar fertilizer concentration and interval of foliar fertilizer application had a very significant effect on the parameters of plant height, leaf length, and leaf width.

Key words : *Dendrobium spp. orchids, Foliar Fertilizer, Interval of Administration*