Respon Pertumbuhan Anggrek Bulan (*Phalaenopsis* sp.) terhadap Beberapa Jenis Media Tanam dan Pupuk Daun Tahap Aklimatisasi. *Growth Response of Moon Orchid (Phalaenopsis sp.) to Some Types of Planting Media and Foliar Fertilizer in The Aclimatization Stage.* Supervised by Netty Ermawati, S.P., Ph.D

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ABSTRACT

Orchid (Phalaenopsis sp.) is one of the ornamental plants known for the beauty of its flowers. Moon orchid propagation is often done using tissue culture method. The acclimatization phase is the process of adapting orchid planlets from controlled media to a non-aseptic environment. Factors that play an important role in the acclimatization stage are the use of appropriate growing media and foliar fertilizers. This study aims to determine the interaction between the type of planting media and foliar fertilizer on the growth of moon orchids at the acclimatization stage. The research was conducted from September 2023 to January 2024 at Razaq Orchid Jember Green House. The design used was a factorial completely randomized design (CRD). The first factor is the type of planting media consisting of black moss (M_1), and white moss (M_2). The second factor is the type of foliar fertilizer consisting of Gandasil D (P_1), Growmore (P_2), and Gaviota 63 (P_3). Data were analyzed using ANOVA, if the treatment showed significant differences, it would be followed by DMRT test at 5% level. The results showed that the interaction between white moss planting media and Gaviota 63 leaf fertilizer gave the best results in plant height increase of 3.97 cm, number of leaves of 2.00 strands, leaf length of 3.81 cm.

Key Word : *Planting Media, Foliar Fertilizer, Phalenopsis*