Influence of Types of Planting Media And Leaf Fertilizer Concentrations on The Growth of Bulan Orchid (*Phalaenopsis amabilis*) Acclimatization Stage Supervisor Dr. Netty Ermawati, SP.

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ABSTRACT

Orchid is one of the ornamental plants that have high economic value. Phalaenopsis amabilis is a type of natural orchid that has a very beautiful charm and is in great demand by the public. The difficulty of conventional phalaenopsis amabilis production makes in vitro development techniques a solution. The application of foliar fertilizer and moss planting media was able to improve the development and quality of orchid seedlings during the acclimatization period. The research was conducted from October 2020 to February 2021 at Handoyo Budi Orchid, Malang. This study used a factorial completely randomized design method with 2 factors and was repeated 4 times. The first factor is Growmore 1 gr/l (P1), Hyponex Fertilizer 0.5 gr/l (P2), Hyponex Fertilizer 1.5 gr/l (P3), Hyponex Fertilizer 2.5 gr/l (P4). The second factor is the Black Moss growing media and the White Moss growing media. The data will be analyzed using the F test formula (ANNOVA) and continued with the Duncan Multiple Range Test (DMRT) at an error level of 5%. The results of the study showed that the application of foliar fertilizers had a very significant effect on the parameters of plant height, number of leaves, and leaf width. Meanwhile, the treatment of Moss growing media gave a very significant difference to the parameters of plant height and leaf width. For the interaction between foliar fertilizer and moss growing media gave a significantly different effect on plant height parameters. The interaction of 1.5 gr/l foliar fertilizer and White Moss growing media showed the highest average plant height was 0.50 cm.

***Key words** : Phalaenopsis amabilis, Foliar Fertilizer, Moss Growing Media*