

Peningkatan Pertumbuhan Anggrek *Dendrobium* 2737 Melalui Penggunaan Jenis Media Tanam dan Dosis Vitamin B1 pada Tahap Aklimatisasi.
(Enhancement Growth of Dendrobium 2737 Orchid by Using Various Planting Media and Vitamin B1 Dosage in Acclimatization Stage). Supervisor: Netty Ermawati, SP., Ph.D and Imam Mutakin, SP

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ABSTRACT

Orchid has become one of the most favorite flowers in Indonesia. However, the orchid productivity decreases every year due to the difficulties in vegetative growing especially in the acclimatization stage. One of the solutions to that is to use suitable planting media for orchid and adding vitamin B1. Vitamin B1 functions to reduce shock to plants when acclimatization. This research was conducted in the garden of Handoyo Budi Orchid Telasih street, Ngijo Village, Karangploso sub_district, Malang from August to December 2019. This research uses Completely Randomized Design (CRD) with 2 factors and 3 replications. The first factor uses various media that contain black moss media (M1) and fern media (M2). The second factor was the dosage of vitamin B1, 0 ml/L of Vitamin B1 (B1), 1 ml/L of Vitamin B1 (B2), 2 ml/L of vitamin B1 (B3) and 3 ml/L of vitamin B1 (B4). The data was analyzed by using analysis variants and will be continued by Duncan Multiple Range Test (DMRT). The result of data analysis showed that interaction planting media and vitamin B1 showed very significant differences to the orchid height by 0.83 cm on combination of black moss and 1 ml/L vitamin B1.

Keyword : Dendrobium Orchid, Media, Vitamin B1