

# PENGARUH JENIS MEDIA DAN PENAMBAHAN PUPUK DAUN PADA AKLIMATISASI ANGGREK VANDA

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## INTISARI

Penelitian ini bertujuan untuk mengetahui kombinasi terbaik antara macam media dan pupuk daun terhadap pertumbuhan anggrek *Vanda* pada fase aklimatisasi. Penelitian ini dilaksanakan di kebun *greenhouse* UPT Kaliurang dan Laboratorium Agronomi Universitas Mercu Buana Yogyakarta mulai bulan Juli sampai bulan Oktober 2019. Penelitian dilakukan dengan menggunakan Rancangan Acak Lengkap (RAL) dua faktor 3 ulangan dengan perlakuan yaitu faktor yang pertama menggunakan Media tanam moss (M1), akar kadaka (M2), pakis (M3), *Cocopeat* (M4). Faktor yang kedua adalah tanpa pupuk daun (P0) dan dengan pupuk daun (P1). Variabel yang diamati adalah persentase tumbuh (%), penambahan jumlah akar, panjang akar, jumlah daun, lebar daun, panjang daun, tinggi tanaman, bobot segar tanaman, bobot kering tanaman. Data yang diperoleh dianalisis dengan sidik ragam pada taraf 5%. Hasil penelitian menunjukkan bahwa penggunaan berbagai macam media dan pupuk daun memberikan pengaruh beda nyata pada jumlah akar dan panjang akar, namun tidak beda nyata pada persentase tumbuh (%), penambahan, jumlah daun, lebar daun, panjang daun, tinggi tanaman, bobot segar tanaman, bobot kering tanaman.

**Kata kunci** : Aklimatisasi, *Growmore*, Media tanam, *Vanda*.

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**THE EFFECT OF VARIOUS MEDIA AND THE ADDITION OF FOLIAR FERTILIZER ON THE ACCLIMATIZATION OF VANDA ORCHIDS**

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**ABSTRACT**

*This research aims to determine the best combination of media types and foliar fertilizer on the growth of Vanda orchids in the acclimatization phase. This research was conducted in the greenhouse garden of Kaliurang UPT and the Laboratory of Agronomy of Mercu Buana University Yogyakarta from July to October 2019. The research was conducted using a completely randomized design (CRD) of two factors 3 replications with treatment, namely the first factor using Moss planting media (M1), kadaka root (M2), fern (M3), Cocopeat (M4). The second factor is without leaf fertilizer (P0) and foliar fertilizer (P1). The observed variables were percentage growth (%), addition of the number of roots, root length, number of leaves, leaf width, leaf length, plant height, plant fresh weight, plant dry weight. The data obtained were analyzed with variance at 5% level. The results showed that the use of various kinds of media and leaf fertilizer had a significant effect on the number of roots and root length, but not significantly different in percentage of growth (%), addition, number of leaves, leaf width, leaf length, plant height, plant fresh weight dry plant weight.*

**Keywords:** *Acclimatization, Growmore, Growing media, Vanda.*