

PENGARUH KONSENTRASI AIR KELAPA DAN AIR CUCIAN BERAS PADA AKLIMATISASI ANGGREK

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INTISARI

Anggrek Dendrobium merupakan salah satu spesies tanaman anggrek yang Anggrek Dendrobium digemari karena tampilannya yang indah dan menggambarkan prestise bagi yang membudidayakannya dan siapapun yang menggunakannya, hingga banyak dinikmati oleh konsumen baik Nasional maupun Internasional. Penelitian ini bertujuan untuk mengetahui efektivitas pemberian air kelapa dan air cucian beras / leri terhadap pertumbuhan tanaman Anggrek Dendrobium pada fase aklimatisasi. Penelitian ini telah dilaksanakan di Green House Universitas Mercu Buana Yogyakarta yang berada diketinggian 115m di atas permukaan laut pada bulan Maret – Juni 2020. Penelitian ini merupakan percobaan faktor tunggal dengan 2 kontrol dan 6 perlakuan. Disusun dalam Rancangan Acak Kelompok Lengkap (RAL) dengan 3 ulangan. Sehingga diperoleh 24 unit percobaan. Perlakuan yang diujikan adalah air kelapa dan air cucian beras yaitu : (1) K0 = Air (kontrol), (2) K1 = Growmore (kontrol), (3) K2 = Air kelapa 50 ml/l (perlakuan), (3) K3 = Air kelapa 100 ml/l (perlakuan), (3) K4 = Air kelapa 150 ml/l (perlakuan), (3) B5 = Air cucian beras 50 ml/l (perlakuan), (3) B6 = Air cucian beras 100 ml/l (perlakuan), (3) B7 = Air cucian beras 150 ml/l (perlakuan). Hasil penelitian menunjukkan bahwa Air kelapa dan air cucian beras berpengaruh terhadap pertumbuhan tinggi tanaman, panjang daun, lebar daun, diameter batang, jumlah tunas, panjang tunas serta penambahan bobot biomassa dan tidak memberikan pengaruh terhadap pertumbuhan jumlah daun dan jumlah akar.

Kata Kunci : Anggrek, Dendrobium, Air Kelapa, Air Cuician Beras

EFFECT OF CONCENTRATION OF COCONUT WATER AND RICE WASHING WATER ON ORCHID ACCLIMATIZATION

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ABSTRACT

Dendrobium Orchid is one of the orchid plant species which is loved by Dendrobium because it is beautiful and illustrates the prestige of those who cultivate it and accompany it, until it is widely enjoyed by both national and international consumers. This study aims to determine the effectiveness of coconut water and rice / leri water on the growth of Dendrobium orchids in the acclimatization phase. This research was conducted at the Green House of Mercu Buana University Yogyakarta at an altitude of 115 m above sea level in March - June 2020. This study was an experiment with 2 controls and 6 experiments. Arranged in a Complete Randomized Block Design (CRD) with 3 replications. So that we obtained 24 experimental units. The treatments tested were coconut water and rice washing water, namely: (1) K0 = water (control), (2) K1 = Growmore (control), (3) K2 = coconut water 50 ml / l (handling), (3) K3 = coconut water 100 ml / l (treatment), (3) K4 = coconut water 150 ml / l (treatment), (3) B5 = washing rice water 50 ml / l (treatment), (3) B6 = washing water rice 100 ml / l (treatment), (3) B7 = 150 ml / l washing water (treatment). The results showed that coconut water and rice washing water had an effect on the growth of plant height, leaf length, leaf width, stem diameter, number of shoots, shoot length and biomass weight gain and had no effect on the growth of the number of leaves and the number of roots.

Keywords: Orchid, Dendrobium, Coconut Water, Rice Washing Water