

## ABSTRAK

# **PENGARUH KONSENTRASI AIR KELAPA DAN LAMA PERENDAMAN TERHADAP PERTUMBUHAN BIBIT SETEK TANAMAN PUCUK MERAH (*Syzygium oleana F. Muell.B. Hyland*)**

Oleh

Gustian Suhartoyo

135001035

Pembimbing

Tini Sudartini

Suhardjadinata

Pucuk merah adalah tanaman hias sejenis perdu yang terbilang baru dan mulai banyak ditanam di Indonesia. Penelitian ini bertujuan untuk mengetahui konsentrasi air kelapa dan lama perendaman terhadap bibit stek tanaman pucuk merah. Penelitian dilaksanakan di Perum Metro Cikopo desa Cibodas Bungursari kabupaten Purwakarta pada ketinggian tempat 499 m dpl pada bulan February sampai April 2020. Penelitian menggunakan Rancangan Acak Kelompok (RAK) faktorial dengan 2 faktor dan diulang 3 kali. Faktor pertama konsentrasi air kelapa yang terdiri dari : k<sub>0</sub>= air biasa (kontrol), k<sub>1</sub>= konsentrasi air kelapa 15%, k<sub>2</sub>= konsentrasi air kelapa 25 %. Faktor kedua lama perendaman yang terdiri dari: l<sub>1</sub>= direndam selama 3 jam, l<sub>2</sub>=direndam selama 6 jam, l<sub>3</sub>= direndam selama 9 jam. Data dianalisis menggunakan sidik ragam dengan uji F dan dilanjutkan dengan Uji Jarak Berganda Duncan dengan taraf nyata 5%. Hasil penelitian menunjukkan bahwa terdapat pengaruh interaksi antara konsentrasi air kelapa dengan lama perendaman terhadap pertumbuhan panjang tunas, jumlah daun, jumlah tunas dan panjang akar stek bibit pucuk merah.

Kata kunci : stek bibit, air kelapa, perendaman.

## ABSTRACT

### **EFFECT OF COCONUT WATER CONCENTRATION AND SOAKING TIME ON THE GROWTH OF RED SHOOTS CUTTINGS (*Syzygium oleana* F. Muell.B. Hyland)**

By

Gustian Suhartoyo

135001035

Supervisor

Tini Sudartini

Suhardjadinata

The red shoots are ornamental plants, a type of shrub that are relatively new and are widely planted in Indonesia. This study aims to determine the concentration of coconut water and soaking time on the growth of red shoot cuttings. The study was carried out at the Cikopo Metro Housing Cibodas Bungursari village Purwakarta district at a altitude of 499 m above sea level from February to April 2020. The research used factorial Randomized Block Design (RBD) with 2 factors and was repeated 3 times. The first factor is the concentration of coconut water consisting of: k0 = plain water (control), k1 = concentration of coconut water 15%, k2 = concentration of coconut water 25%. The second factor is soaking time which consists of: l1 = soaking for 3 hours, l2 = soaking for 6 hours, l3 = soaking for 9 hours. Data were analyzed using variance with F test and continued with Duncan's Multiple Range Test with a significance level of 5%. The results showed that there were interaction effect between the concentration of coconut water and the length of immersion on the growth of shoot length, number of leaves, number of shoots and root length of red shoot cuttings.

Keywords: seed cuttings, coconut water, soaking