PENGARUH KONSENTRASI ROOTONE-F TERHADAP PERTUMBUHAN SETEK BATANG NILAM (*Pogostemon cablin Benth*.)

Bambang Purnomo

Mahasiswa Program Studi Agroteknologi Universitas Mercu Buana Yogyakarta

e-mail:

INTISARI

Penelitian ini dilakukan pada bulan Februari 2022 sampai dengan Maret 2022, Green House UPT Kebun dan Ternak Lahan Percobaan Kaliurang, Universitas Mercu Buana Yogyakarta. Tujuan dari penelitian ini untuk mengetahui pengaruh konsentrasi Rootone-F terhadap pertumbuhan stek batang nilam. Penelitian ini merupakan percobaan faktor tunggal yang disusun dalam Rancangan Acak Lengkap (RAL) dengan tiga ulangan. Perlakuan yang diujikan adalah perlakuan pemberian konsentrasi Rootone-F yaitu tanpa pemberian Rootone-F, pemberian konsentrasi Rootone-F 25 mg/1 liter air, pemberian konsentrasi Rootone-F 50 mg/1 liter air, dan pemberian konsentrasi Rootone-F 75 mg/1 liter air. Hasil penelitian menunjukan bahwa pemberian konsentrasi Rootone-F berpengaruh nyata terhadap pertumbuhan stek batang nilam. Pada variable tinggi tanaman, jumlah daun dan diameter batang pemberian konsentrasi Rootone-F 50 mg/1 liter air memberikan pertumbuhan terbaik.

Kata kunci: *Konsentrasi, Rootone-F, Stek dan Niam*

THE EFFECT OF ROOTONE-F CONCENTATION ON THE GROWTH OF PATCHOULI STEM CUTTINGS (*Pogostemon cablin Benth*.)

Bambang Purnomo

Student of the Agrotechnology Study Program, Mercu Buana University,Yogyakarta

e-mail:

ABSTRACT

This research was conducted from February 2022 to March 2022, Green House UPT Gardens and Livestock Kaliurang Experimental Ground, Mercu Buana University Yogyakarta. The purpose of this study was to determine the effect of Rootone-F concentration on the growth of patchouli stem cuttings. This study is a single factor experiment arranged in a Completely Randomized Design (CRD) with three replications. The treatments tested were the administration of a concentration of Rootone-F, namely without the administration of Rootone-F, the administration of a concentration of Rootone-F of 25 mg/1 liter of water, the administration of a concentration of Rootone-F 50 mg/1 liter of water, and the administration of a concentration of Rootone-F 75 mg/1 liters of water. The results showed that the concentration of Rootone-F significantly affected the growth of patchouli stem cuttings. In the variable plant height, number of leaves and stem diameter, the concentration of Rootone-F 50 mg/1 liter of water gave the best growth.

Keywords: Concentration, Rootone-F, Cuttings and Niam