ABSTRAK
PERTUMBUHAN STEK JEMPIRING (*Gardenia jasminoides J.Ellis*) AKIBAT PERLAKUAN ZAT PERANGSANG TUMBUH (ZPT) ROOT MOST

Penelitian ini bertujuan : (1) mengetahui pengaruh pemberian konsentrasi zat perangsang tumbuh (ZPT) Root Most yang berbeda terhadap tumbuhnya tunas tanaman jempiring ; (2) mengetahui konsentrasi terbaik ZPT Root Most yang dapat memberikan pertumbuhan terbaik bagi tanaman jempiring. Penelitian ini menggunakan Rancangan Acak Kelompok (RAK) dengan 6 perlakuan yang diulang 4 kali, sehingga terdapat 24 perlakuan. Berdasarkan hasil penelitian tentang pertumbuhan stek jempiring (*Gardenia jasminoides J.Ellis*) akibat pemberian ZPT Root Most dapat disimpulkan : (1) dengan peningkatan konsentrasi ZPT Root Most mulai dari (R0) atau tanpa pemberian ZPT Root Most, (R1) 2 ml/l air, (R2) 4 ml/l air, (R3) 6 ml/l air, (R4) 8 ml/l air, dan (R5) 10 ml/l air memberikan pengaruh yang berbeda nyata terhadap semua parameter yang diamati (2) ZPT Root Most dengan konsentrasi 10 ml/l air (R5) memberikan hasil yang sangat baik terhadap parameter yang diamati yaitu: kecepatan tumbuh tunas (hst), jumlah tunas (buah), jumlah cabang (buah), jumlah daun (helai), berat segar daun (g), berat kering oven daun(g), jumlah akar (buah), berat segar akar (g), dan berat kering oven akar (g).

Kata Kunci : *Stek Jempiring*, *ZPT Root Most, Pertumbuhan*

ABSTRACT

GROWTH OF JEMPIRING CUTTING (*Gardenia jasminoides J.Ellis*) DUE TO GROWTH TREATMENT (ZPT) ROOT MOST

The objectives of this research: (1) to find out the effect of giving different root growth stimulant concentrations (ZPT) to the growth of buds; (2) determine the best concentration of ZPT Root Most which can provide the best growth for the jempiring plant. This study used a Randomized Block Design (RCBD) with 6 treatments that were repeated 4 times, so there were 24 treatments. Based on the results of research on the growth of jempiring plants (*Gardenia jasminoides J.Ellis*) due to the administration of the Most Root ZPT can be concluded: (1) by increasing the concentration of the Most Root ZPT starting from (R0) control or without giving ZPT Root Most, (R1) 2 ml / l water, (R2) 4 ml / l water, (R3) 6 ml / l water, (R4) 8 ml / l water, and (R5) 10 ml / l water had a significantly different effect on all observed parameters (2) ZPT Root Most with a concentration of 10 ml / l water (R5) gives very good results to the parameters observed, namely: the speed of growth of shoots (hst), number of shoots (fruit), number of branches (fruit), number of leaves (strands) , leaf fresh weight (g), oven dry weight (g), number of roots (fruit), root fresh weight (g), and oven root dry weight (g).

Keywords: *Jempiring Cuttings, ZPT Root Most, Growth*