APPLICATION OF NATURAL GROWTH REGULATORS FOR VANILI PLANT ACCLIMATIZATION
(Vanilla planifolia A.)

Ayu Wilda Amaliah
Cultivation of Plantation Crop Study Program
Agricultural Production Department

ABSTRACT

This study aims to determine the effect of good natural growth regulators for the growth of vanilla plants (Vanilla planifolia A) by acclimatization and optimal concentration of natural growth regulators for the growth of vanilla plants (Vanilla planifolia A) by acclimatization. This study was carried out at the Green House Culture Laboratory Plant Network, State Polytechnic of Jember from September to December 2019. The method used was a Non Factorial Randomized Block Design (RAKNF) consisting of 9 treatments including 9 levels of concentration of natural growth regulating agents 0 ml / l (control), 25 ml / l, 50 ml / l, 75 ml / l, 100 ml / l, 125 ml / l, 150 ml / l, 175 ml / l, 200 ml / l. With cocopeat growing media, each treatment consisted of 3 blocks. Further testing is done by the 5% Honestly Significant Difference test. Research results show that the use of natural growth regulators gives a significantly different effect on the growth of stem height, number of leaves and gives a significantly different effect on root length, while the optimal use of natural growth regulators is at a concentration of 25 ml/l in the parameters of stem height, number of leaves and root length.

Keywords: Natural growth, Vanilla Planivoria A, Acclimatization