FECTS OF DIFFERENT LEVELS OF COCOGRO ON E VEGETATIVE GROWTH OF VANDA SEEDLINGS

RESEARCH STUDY

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For Graduation

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ABSTRACT

MAPANOO, JOMEL ANDERSON S., PASCUAL, CYLENE CLAIRE N., PEÑALBA, ANNE KIMBERLY A., and RICAFORT JEMMAYEL L., Applied Research III, Cavite State University Laboratory School, Indang, Cavite, April 2003, **"Effects of Different Levels of Cocogro on the Vegetative Growth of Vanda Seedlings".**

Thesis Adviser: Mr. Rodrigo H. Diloy

The study on the "Effects of Different Levels of Cocogro on the Vegetative Growth of Vanda Seedlings" was conducted at the Central Experiment Station (CES), Cavite State University (CvSU), Indang, Cavite from August 3, 2002 to December 21,2002. Specifically, it aimed to: a) determine the effects of cocogro on the early vegetative growth of Vanda seedlings; and b) determine the level of cocogro that will give the best effect on the early development of Vanda seedlings.

The experiment was conducted inside a net house at the CvSU-CES, Indang, Cavite. The seedlings were grown in size 2 clay pots, entied in a wire for support. The study used four (4) treatments; T_1-control (no cocogro); T_2- 5mL of cocogro: 1L of water, T_3- 10mL of cocogro: 1L of water, T_4- 15mL of cocogro: 1L of water. The treatments were replicated three (3) times, which were arranged in the experimental site using a Completely Randomized Design (CRD).

Results show that the seedlings treated with 10 mL of cocogro in 1L of water (T_3) gave the best effects than those that were untreated with cocogro in terms of producing roots, leaves and height increment.

It is concluded that cocogro has a positive effect on the growth of 3-month-old Vanda seedlings. Therefore, it is recommended to use cocogro specifically 10mL of cocogro diluted tom 1L of water as growth promoting hormone for Vanda seedlings.

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INTRODUCTION

Today, many Filipinos find ways to make their means of living better by looking for extra sources of livelihood. A lot of modern technologies, inventions and innovations are introduced, especially in the field of agriculture and crop production. Some fruits, vegetables and other flowering plants such as orchids, grow and bear flowers in seasons. That is why men continue to discover solutions to solve this problem. After a long time of researching and series of tests, growth hormones are developed to improve the development of slow growing plants.