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ROOTING VANILLA (*Vanilla planifolia*, Andr.)  
CUTTINGS ON THE DIFFERENT  
SOIL MEDIA

THESIS

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Indang, Cavite

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SOIL MEDIA

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A Thesis

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for the Degree of Bachelor of Science  
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*Rooting vanilla (Vanilla planifolia,  
Andr.) cuttings on the different soil*  
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## A B S T R A C T

A study, "Rooting Vanilla (Vanilla planifolia, Andr.) Cuttings on the Different Soil Media" was conducted in Kaytapos, Indang, Cavite from November 1981 to February 1982, to find out the best soil media suited for rooting vanilla cuttings.

Vanilla cuttings were prepared and planted to varying soil mixtures as garden soil + sand + well-rotten chicken dung ( $T_1$ ), garden soil + sand + compost ( $T_2$ ), garden soil + sand + sawdust ( $T_3$ ), garden soil + sand + sphagnum moss ( $T_4$ ), garden soil + compost + sphagnum moss ( $T_5$ ).

Based on the results obtained from this study,  $T_5$  (garden soil + compost + sphagnum moss) was found to be the most effective soil mixture for rooting vanilla cuttings. The cuttings planted in this media rooted earliest with earliest shoot formation. These produced also the highest number of adventitious root per cutting, the longest roots and shoots and the highest percentage of rooting per cutting. The cuttings planted in a mixture of garden soil, sand and well rotten chicken dung ( $T_1$ ) insignificantly produced opposite effects.

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CUTTINGS ON THE DIFFERENT

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by

Vichian Rukvichian

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## INTRODUCTION

Vanilla (*Vanilla planifolia*, Andr.) was first introduced in the Philippines in the College of Agriculture and Central Experiment Station at Los Baños, Laguna. It is a crop grown in foreign countries like Mexico, East Indies, and in some other tropical regions of the world.

Economically, the artificially pollinated flowers which bear pod-like fruits and where vanilla extract are obtained are used as an ingredient in perfumery, drugs and food flavoring.

Basically, the plant can hardly be propagated by sexual means due to highly special technical requirements. Thus, in large commercial scale, vanilla is best propagated by asexual means specifically through cuttings.