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EFFECT OF ORGANIC FERTILIZERS ON THE
GROWTH & FLOWERING OF PAPAYA

THESIS

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DON SEVERINO AGRICULTURAL COLLEGE

Indang, Cavite

March, 1983

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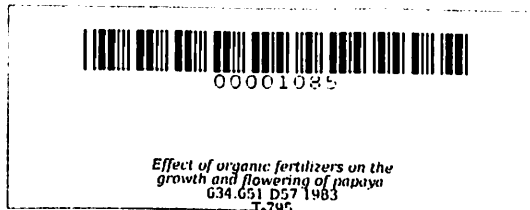
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**EFFECT OF ORGANIC FERTILIZERS ON THE GROWTH
AND FLOWERING AGE OF PAPAYA**

A Thesis

**Presented to the Faculty of the
Don Severino Agricultural College
Indang, Cavite**

**In Partial Fulfillment of the Requirements
for the Degree of Bachelor of Science
in Agriculture (BSA) Major in
Agronomy**



by

ROLANDO P. DILIDILI

March, 1983

A B S T R A C T

The study, "Effect of Organic Fertilizers on the Growth and Flowering Age of Papaya", was conducted to determine the effect of different organic fertilizers on the growth and flowering age of papaya and to know also which of these organic fertilizers will be more applicable to papaya plant.

A Randomized Complete Block Design with four treatments and four replications was used in this study. The treatments used were as follows: T_1 - chicken manure, T_2 - cow manure, T_3 - compost, and T_4 - control.

Highly significant differences among treatments were observed with respect to the average number of leaves to the height of papaya plants two months after transplanting. The results with respect to average number of days from transplanting to flowering showed highly significant differences between the fertilized treatments (T_1 , T_2 , T_3) and the unfertilized plants (T_4). Moreover, it was observed that there was also a highly significant difference between plants applied with chicken manure and compost and that of plants fertilized with cow manure and the control.

The result indicated that plants applied with chicken manure produced the biggest stem diameter, highest number of leaves and with the height appropriate to the

stem size. It also showed that plants with chicken manure flowered earlier as compared to other treatments.

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by

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INTRODUCTION

Papaya (Carica papaya, L.), is one of the widely cultivated fruit crops in the Philippines. Its year round availability as well as its fine taste contribute to its general acceptance as a dessert fruit. In the Philippines about 8,640 hectares of land are planted with papaya.

Papaya is generally cultivated for fresh fruit and for vegetable, but the crop can also be used as a source of papain. Papain is an enzyme used as a catalyst in biological and chemical reactions. Papaya can also be harvested as a source of raw materials in pharmaceutical preparation as digestive enzyme for clearing the fruit