

**GROWTH PERFORMANCE OF BROCCOLI USING DIFFERENT  
CHICKEN MANURE TEA CONCENTRATIONS  
UNDER HYDROPONIC SYSTEM**

An Undergraduate Thesis  
Presented to the Faculty of the  
Cavite State University  
Indang, Cavite

In partial fulfillment  
of the requirements for the degree of  
Bachelor of Science in Agricultural Engineering  
(Major in Soil and Water Management)



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Growth performance of broccoli using  
different chicken manure tea concentration  
635.35 Er1 1998  
T-1853

**LEILANI AURO ERAÑA**

May 1998

JUL 14 1998



## ABSTRACT

ERAÑA, LEILANI AURO. Cavite State University, Indang, Cavite. "Growth Performance of Broccoli Using Chicken Manure Tea Concentrations Under Hydroponic System". Adviser: Engr. David L. Cero.

The study was conducted at the net house of Central Experimental Station of Cavite State University from December 1997 to April 1998 to determine which chicken manure tea concentrations would be suited to broccoli under hydroponic system.

Three (3) treatments in two replications using Completely Randomized Design were used. Treatment 1 had one part of chicken manure tea concentrate to 20 parts of water, Treatment 2 had two parts of chicken manure tea concentrate to 20 parts of water, and Treatment 3 had three parts of chicken manure tea concentrate to 20 parts of water.

Results of the study revealed that the growth of broccoli was affected by the different treatments used. Highly significant effects of different chicken manure tea concentrations were observed on the root length and weight of the flower buds while the insignificant effect was observed on the plant height, number of leaves and diameter of stem.

The most favorable results were exhibited by the plants grown in Treatment 3. Therefore, it is advisable to use three parts of chicken manure tea concentrate to 20 parts of water in determining the growth performance of broccoli under hydroponic system.



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