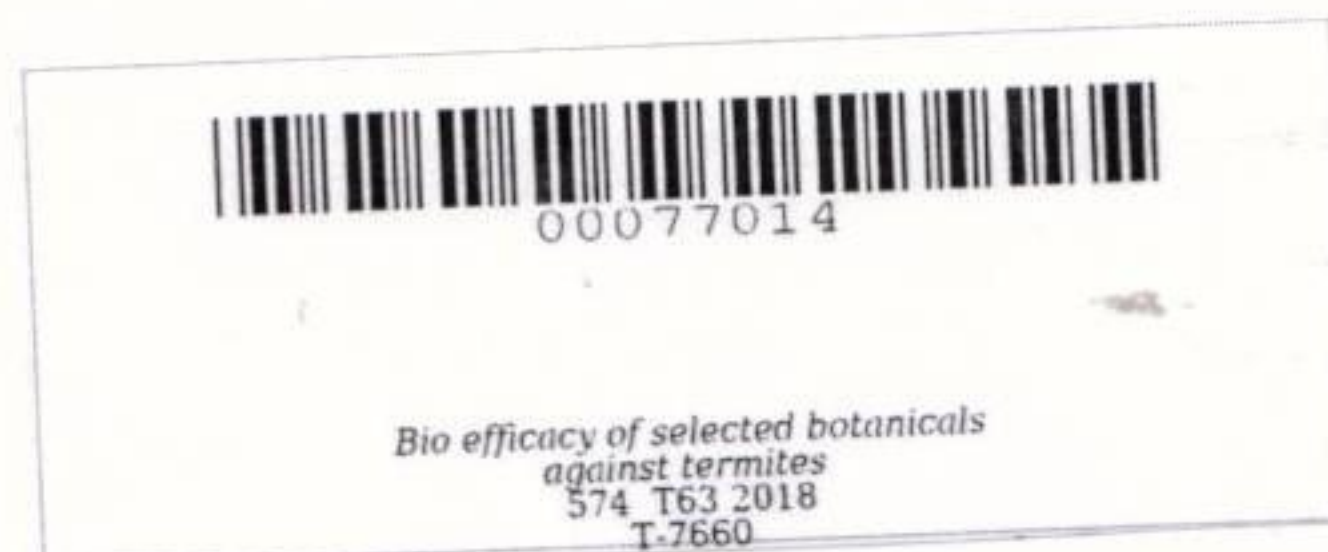


# **BIOEFFICACY OF SELECTED BOTANICALS AGAINST TERMITES**

Undergraduate Thesis  
Submitted to the Faculty of the  
College of Agriculture, Food, Environment and Natural Resources  
Cavite State University  
Indang, Cavite

In partial fulfillment  
of the requirements for the degree  
Bachelor of Science in Agriculture  
(Major in Crop Science)



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## ABSTRACT

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The study was conducted to assess the efficacy of four selected botanicals: *Ageratum conyzoides*, *Chromolaena odorata*, *Lantana camara*, *Phyllanthus amarus* on the activity of termites; identify the phytochemical components of each botanical; and measure the damage caused by termites by weighing each piece of wood after the experiment and comparing it to its weight before the experiment. The study was conducted at Farmer's Training Center and Technology Demonstration Farm (FTCTDF) from March to May 2018.

The experiment was arranged in Completely Randomized Design (CRD) with water as negative control and commercial termiticide as positive control.

Results revealed that *Chromolaena odorata* is the best treatment because it obtained the heaviest weight after the seven-week graveyard experiment. Toxicity test also showed that *Chromolaena odorata* is the second best after positive control.

Based on the findings, it can be concluded that using botanicals to control termites is a great method, thus it is environment-friendly. Moreover, *Chromolaena odorata* is the best alternative to commercial termiticide.



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