WOUND HEALING PROPERTY OF PROPOLIS

RESEARCH STUDY

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A Research Study presented to the Faculty

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In partial fulfillment of

the requirements for

graduation

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ABSTRACT

Peji, Kathlyn Mari Sarmiento, Romera, Velissa Alegre, Saballero, Geraldine Palecpec. Salvacion, Yvette Maniquiz, Applied Research III (General Science Curriculum), Laboratory School, College of Education, Cavite State University Indang, Cavite, 2001, " Wound Healing Property of Propolis".

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The research study entitled "Wound Healing Property of Propolis" was conducted at Mahabang Kahoy Cerca, Indang, Cavite in January 2001. This study generally aimed to test the healing effect of different kinds of propolis.

The Ilog Maria Extracted Propolis, Ethanolic Extracted Propolis (EEP), and Zymepolis were used in this study as treatments. Betadine solution serve as the control. One month old wounded mice were used as test animal. Duncan's Multiple Range Test (DMRT) was used to compare the result of the study.

The number of days the wounds are healed as affected by the treatments differed significantly from each other. The use of Ilog Maria Extracted Propolis had the fastest healing effect of an average of 3.89 days as compared with other propolis. However, betadine solution gave the shortest time in healing wounds.

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A Research Study presented to the faculty of the Laboratory School College of Education Cavite State University, Indang, Cavite in partial fulfillment of the requirements for graduation under the supervision of Dr. Yolanda A. Ilagan and Prof. Dulce Ramos.

INTRODUCTION

Propolis is a waxy resinous substance gathered by bees from buds of flowers and bark of trees and used as a cement in the hive. It has been used by man as natural medicine since the Egyptian times. Its general use includes treatment of cardio-vascular and blood system diseases, dental and dermatological problems, cancer, support and improvement of the immune system, digestive tracts, and others (IBRA's collection of abstract, Apimondia and the American Apitherapy Society , 1976)

Importance of the Study

Propolis is suspected to contain many natural antibiotics as it is not destroyed by fungi or other microorganism in the hive. To confirm this, many studies have been