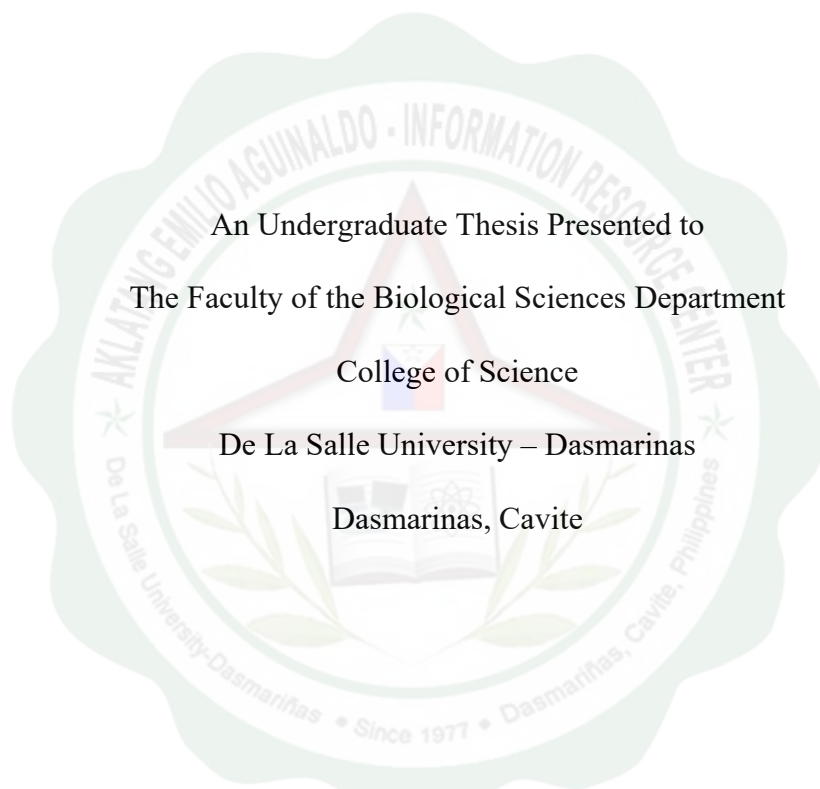


COMPARATIVE STUDY OF THE HEALING PROPERTY AMONG
***Tabernaemontana pandacaqui* (PANDAKAKI), *Colocasia esculenta* (GABI)**
AND *Psidium guajava* (GUAVA) ON THE WOUND OF
***Mus musculus* (ALBINO MICE)**



An Undergraduate Thesis Presented to
The Faculty of the Biological Sciences Department
College of Science
De La Salle University – Dasmariñas
Dasmariñas, Cavite

In Partial Fulfillment of the Requirements
for the Degree of Bachelor of Science Major in Human Biology

FRANCIS ALBERT A. PABLO

DEXTER M. CAJES

FEBRUARY 2007

ABSTRACT

This study was conducted to determine the effectivity rate of the three medicinal plant leaves namely: Guava, Gabi and Pandacaqui on the wound of the albino mice. The effectivity of the medicinal herbal plants was determined using 36 live specimen of albino mice. Each was inflicted with the wound and treated with the 3 medicinal herbal plant leaves. The effectivity rate was determined using 5 parameters, namely: coagulation of blood, removal of redness, removal of swelling, removal of scab, and scar appearance. The actual experiment lasted for 4 days, where most of the incisions made were classified completely healed. Each was measured in limit of minutes from the time of incision until the time of wound healing. In this study, guava leaves exhibited the fastest healing capability. Although the other treatments exhibited a longer time to heal the wound of albino mice, they were still faster than the no treatment. There was no significant difference between the three medicinal plants.



TABLE OF CONTENTS

Title Page	1
Approval Sheet	2
Abstract	3
Acknowledgement	4
Table of contents	5
List of Tables...	36
List of Plates...	45
CHAPTER 1 INRODUCTION	
1.1 Background of the Study	7
1.2 Conceptual Framework	8
1.3 Statement of the Problem	9
1.4 Hypotheses	9
1.5 Scope and Limitations	10
1.6 Significance of the Study	10
1.7 Definition of Terms	11
CHAPTER 2 LITERATURE REVIEW	
2.1 Conceptual Literature	12
2.2 Related Studies	18

CHAPTER 3 METHODOLOGY

3.1 Research Design	20
3.2 Research Setting	20
3.3 Research Procedure	20
3.4 Data Gathering and Statistical Analysis	22

CAPTER 4 RESULTS AND DISCUSION

4.1 Results	23
4.2 Discussion	27

CHAPTER 5 SUMMARY, CONCLUSION AND RECOMMENDATIONS

5.1 Summary	31
5.2 Conclusion	32
5.3 Recommendations	32

Cited References	34
------------------	----

Appendices

A. Raw data	38
B. Statistical Results	40
C. Photodocumantation	45
D. Curriculum Vitae	51