



**EFFECTS OF *Capsicum frutescens* L. (SILING
LABUYO) ON THE SEXUAL BEHAVIOR OF
MALE *Rattus norvegicus* (ALBINO RATS)**

A Research Presented to the
Biological Sciences Department
College of Science and Computer Studies
De La Salle University-Dasmariñas
City of Dasmariñas, Cavite

In Partial Fulfilment of the Requirements for the Degree
Bachelor of Science in Medical Biology

MARINELLA L. GUDA

RIKKI MAE U. PALEC

May 2017



ABSTRACT

Among the traditionally used sex enhancement natural remedies in the Philippines, *C. frutescens* is popular for its quick onset of action involving its chemical content, Capsaicin. However, its use has not been scientifically validated. Aphrodisiac activity of the test drug was evaluated in terms of exhibited sexual behavior. In order to assess the effect of *C. frutescens*, Mount latency (ML), Mount frequency (MF), Intromission latency (IL), Intromission frequency (IF), Ejaculation latency (EL), Ejaculation frequency (EF), and Post-ejaculatory interval (PEI) were carried out as the parameters. Sixteen male albino rats were divided into the following groups: T₀ being the control group and T₁, T₂, T₃ with different concentration of the test drug at 5%, 10% and 15%, respectively. The route of administration for all the groups was oral gavage, which was done once a day for 12 days. The mating behavior was analyzed with the help of the female rats and was observed for 30 minutes every four days. The administration of the extract resulted in significant increase in mount frequency, intromission frequency, ejaculation frequency and ejaculation latency. However, the mount latency, intromission latency, and post ejaculation interval were significantly decreased throughout the experimental period. The administration of the varying extract concentrations (5%, 10% and 15%) produced great effects in all the parameters which indicated that the extracts of *Capsicum frutescens* enhanced the sexual behavior of male albino rats.

Key words: erectile dysfunction, sexual impotence, aphrodisiac, capsaicin, ejaculation, mount latency, mount frequency



TABLE OF CONTENTS

Title Page	1
Abstract	2
Approval Sheet	3
Acknowledgments	4
Table of Contents	5
CHAPTER 1 INTRODUCTION	
1.1 Background of the Study	7
1.2 Conceptual Framework	12
1.3 Statement of the Problem	13
1.4 Hypotheses	13
1.4 Scope and Limitations	14
1.6 Significance of the Study	15
1.7 Definition of Terms	15
CHAPTER 2 LITERATURE REVIEW	
2.1 Conceptual Literature	17
2.2 Related Studies	23
CHAPTER 3 METHODOLOGY	
3.1 Research Design	28
3.2 Research Procedure	28
3.3 Data Gathering and Statistical Analysis	30



CHAPTER 4 RESULTS AND DISCUSSION

4.1	On Mount Latency and Frequency	32
4.2	On Intromission Latency and Frequency	33
4.3	On Ejaculation Latency and Frequency	35
4.4	On Post Ejaculatory Interval	37

CHAPTER 5 CONCLUSION AND RECOMMENDATIONS

5.1	Conclusion	39
5.2	Recommendations	40

Cited References	42
------------------	----

Appendices

A.	Standard Procedure	48
B.	Raw Data	50
C.	Photo Documentation	57
D.	Certification	62
E.	Curriculum Vitae	66