



**PHYTOCHEMICAL ANALYSIS AND CYTOTOXICITY  
ASSESSMENT OF *Syzygium curanii* L. (LIPOTE)  
ROOT, STEM AND SEED EXTRACTS**

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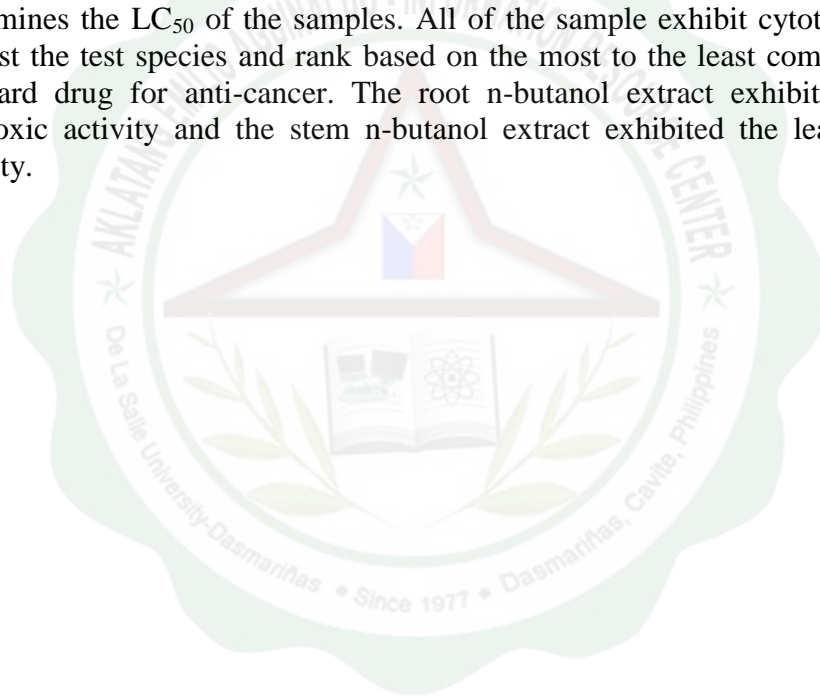
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### ABSTRACT

The developing countries like the Philippines mostly rely on traditional medicines. This medicine involves the use of plant extracts. This study provides health application of Lipote (*Syzygium curanii* L.), a native berry in the Philippines that contributes in the field of science by investigating the secondary plant metabolites present in roots, stems and seeds and to determine if this plant samples using BSTA may exhibit cytotoxic activity which may become a potent drug in curing prevailing disease like cancer. The phytochemical screening revealed the presence of alkaloids, tannins, flavonoids, saponis, terpenoids and cardiac glycoside among all the samples of the species studied. The BSTA determines the  $LC_{50}$  of the samples. All of the sample exhibit cytotoxic activity against the test species and rank based on the most to the least compared with a standard drug for anti-cancer. The root n-butanol extract exhibited the most cytotoxic activity and the stem n-butanol extract exhibited the least cytotoxic activity.





## TABLE OF CONTENTS

Title Page	1
Approval Sheet	2
Acknowledgments	3
Abstract	5
Table of Contents	6
List of Tables	8
List of Figures	9
<b>CHAPTER 1 INTRODUCTION</b>	
1.1 Background of the Study	10
1.2 Conceptual Framework	11
1.3 Statement of the Problem	12
1.4 Scope and Limitations	13
1.5 Significance of the Study	13
1.6 Definition of Terms	14
<b>CHAPTER 2 LITERATURE REVIEW</b>	
2.1 Conceptual Literature	15
2.2 Related Studies	23
<b>CHAPTER 3 METHODOLOGY</b>	
3.1 Research Design	27
3.2 Research Setting	27



3.3 Research Procedure	27
3.4 Data Gathering and Statistical Analysis	34
CHAPTER 4 RESULTS AND DISCUSSION	
4.1 Results	36
4.2 Discussion	41
CHAPTER 5 CONCLUSIONS AND RECOMMENDATIONS	
5.1 Conclusions	45
5.2 Recommendations	45
Cited References	47
Appendices	
A. Standard Procedure	53
B. Raw Data	55
C. Figures	61
D. Photodocumentation	64
Curriculum Vitae	78



### LIST OF TABLES

Table	Page
3.1 Preparation of Sample Concentration Rate	33
4.1 Qualitative results of Phytochemical Test from <i>S. curanii</i> Root extracts	36
4.2 Qualitative results of Phytochemical Test from <i>S. curanii</i> Stems extracts	37
4.3 Qualitative results of Phytochemical Test from <i>S. curanii</i> Seeds extracts	38
4.4 Average Median lethal concentration (LC <sub>50</sub> ) of <i>S. curanii</i> sample extracts against LC <sub>50</sub> of methotrexate.	40



### LIST OF FIGURES

Figures	Page
2.1 Structure of Tannin	16
2.2 Structure of Alkaloid	17
2.3 Structure of Cardiac Glycoside	18
2.4 Structure of Flavonoid	19
2.5 Structure of Saponin	20
2.6 Structure of Anthraquinone	20
2.7 Structure of Terpenoid	21
2.8 Brine Shrimp ( <i>Artemia salina</i> )	22

