

**CHEMICAL CONSTITUENTS FROM KERNEL OF
*CALOPHYLLUM INOPHYLLUM***

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TABLE OF CONTENTS

	Page
ACKNOWLEDGEMENTS	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	vi
LIST OF FIGURES	vii
LIST OF ABBREVIATIONS	viii
ABSTRACT	xi
ABSTRAK	xii
CHAPTER 1 INTRODUCTION	1
1.1 Background of the study	1
1.2 Botany of Plants	2
1.2.1 Details	2
1.2.2 Classification	2
1.2.3 Distribution	4
1.2.4 Botanical description	4
1.2.5 The species <i>Calophyllum inophyllum</i>	7
1.3 Problem statement	7
1.4 Significant of study	8
1.5 Objectives	8
CHAPTER 2 LITERATURE REVIEW	10
2.1 Phytochemical study	10
2.2 Chemistry of Genus <i>Calophyllum</i> species	10
CHAPTER 3 METHODOLOGY	22
3.1 Plant sample	22
3.2 Instruments	22
3.2.1 Infrared Spectroscopy (IR)	22
3.2.2 Mass Spectra	22
3.2.3 Melting Point	23
3.2.4 Nuclear Magnetic Resonance (NMR)	23
3.2.5 Ultraviolet-Visible Spectrophotometer (UV-Vis)	24
3.3 Chromatographic Method	25
3.3.1 Sequential solvent extraction of chemical constituents from <i>Calophyllum inophyllum</i> .	25
3.3.2 Column Chromatography	25
3.3.3 Thin Layer Chromatography (TLC)	26
3.3.4 Detection Method for TLC	27
CHAPTER 4 RESULT AND DISCUSSIONS	30

4.1	Compounds Isolated from <i>Calophyllum inophyllum</i>	30
4.1.1	Characteristics of friedelin (13)	30
4.1.2	Characterization of calopolyanolide B (50)	39
CHAPTER 5 CONCLUSION AND RECOMMENDATIONS		49
5.1	Summary	49
5.2	Future research and Recommendations	49
REFERENCES		50
APPENDICES		55
CURRICULUM VITAE		57

LIST OF TABLES

Table	Caption	Page
4.1	^1H NMR (400 MHz, CDCl_3) and ^{13}C NMR (100 MHz, CDCl_3) Assignments of friedelin (13)	35
4.2	^1H NMR (500 MHz, CDCl_3), ^{13}C NMR (125 MHz, CDCl_3), DEPT and HMBC. Assignments of calopolyanolide B (50).	43

ABSTRACT

CHEMICAL CONSTITUENTS FROM KERNEL OF *CALOPHYLLUM* *INOPHYLLUM*

In this project, the chemical constituents from the plant species, *Calophyllum inophyllum* was carried out. *Calophyllum inophyllum* belongs to the genus of *Calophyllum*, is grouped into the family of Guttiferae. The kernel of *Calophyllum inophyllum* were extracted and isolated to obtain its chemical constituents. Phytochemical study on the hexane crude extract of the kernel of *Calophyllum inophyllum* yielded one triterpenoids, and one coumarin. The compounds isolated were identified as friedelin and calopolyanolide B. The homogeneity of isolated compounds was established by TLC, as there was no interference of spot or peak in chromatograms were recorded. For detailed structure elucidation, UV-Vis, IR, one dimensional ^1H NMR, ^{13}C NMR and MS spectra were recorded for specific structure elucidation.