

**CHEMICAL CONSTITUENTS FROM PERICARP OF *GARCINIA*  
*MANGOSTANA* LINN**

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**Final Year Project Written Submitted in  
Partial Fulfillment of the Requirements for the  
Degree of Bachelor of Science (Hons.) Chemistry  
In the Faculty of Applied Sciences  
Universiti Teknologi MARA**

**JULY 2016**

**ABSTRACT**  
**CHEMICAL CONSTITUENTS FROM PERICARP OF *GARCINIA***  
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*Garcinia mangostana L.* is a tropical tree from Southeast Asia and its fruit pericarp is a well-known traditional medicine. Extraction and isolation were carried out by chromatographic and spectroscopic technique respectively. A hexane extract of *Garcinia mangostana L.* pericarp shows abundant of xanthenes compounds and three xanthenes that being identified and elucidated their structure were  $\alpha$ -mangostin (4),  $\beta$ -mangostin (12) and garcinone D (39). Their structures were elucidated on the basis of IR, UV, NMR and MS spectroscopic data, in addition to comparison with literature data.

## TABLE OF CONTENT

	<b>Pages</b>
<b>ACKNOWLEDGEMENTS</b>	iv
<b>TABLE OF CONTENTS</b>	v - vii
<b>LIST OF TABLES</b>	viii
<b>LIST OF FIGURES</b>	ix
<b>LIST OF ABBREVIATIONS</b>	x - xii
<b>ABSTRACT</b>	xiii
<b>ABSTRAK</b>	xiv
<b>CHAPTER 1 INTRODUCTION</b>	
1.1 Background of Study	1
1.2 Botanical Aspects of The Plants	
1.2.1. The family Cluaseacea	1-2
1.2.2. The genus <i>Garcinia</i>	2
1.2.3. The Species <i>Garcinia mangostana</i>	3-4
1.3 Problem Statement	4
1.4 Significance of Study	5
1.5 Objectives of Study	5
<b>CHAPTER 2 LITERATURE REVIEW</b>	
2.1 Chemical Constituents	
2.1.1 Chemistry of <i>Garcinia</i> Species	6

2.1.2 Previous studies on chemical compound in <i>Garcinia</i> species	6 - 19
2.2 Previous Biological Activity on <i>Garcinia</i> Species	20-22
<b>CHAPTER 3 METHODOLOGY</b>	
3.1 Plant Material	23
3.2 Instruments	
3.2.1 Infrared Spectroscopy (IR)	23
3.2.2 Mass Spectra	23
3.2.3 Melting Point	23
3.2.4 Nuclear Magnetic Resonance (NMR)	24
3.2.5 Ultra Violet (UV)	24
3.3 Chromatographic Method	
3.3.1 Column Chromatography	24
3.3.2 Thin Layer Chromatography (TLC)	25
3.4 Dyeing Reagents for TLC	
3.4.1 Iron (III) Chloride Solution	25
3.5 Extraction and Isolation of Compounds from <i>Garcinia mangostana</i> <i>L.</i>	
3.5.1 Isolation of $\alpha$ – mangostin	26 – 27
3.5.2 Isolation of $\beta$ – mangostin	27 – 28
3.5.3 Isolation of garcinone D	28 – 29

## **CHAPTER 4 RESULTS AND DISCUSSIONS**

4.1 Isolation of chemical constituents from <i>Garcinia mangostana L.</i>	30
4.1.1 Characterization of $\alpha$ – mangostin	31 – 37
4.1.2 Characterization of $\beta$ – mangostin	38 – 45
4.1.3 Characterization of garcinone D	46 - 53

## **CHAPTER 5 CONCLUSION AND RECOMMENDATION** 54

## **CITED REFERENCES** 55 - 57

## **APPENDICES**

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