

**BIOACTIVE COMPUND AND BENEFIT OF BUTTERFLY PEA LEAF:
A REVIEW**

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

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ABSTRACT

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Butterfly pea or *Clitoria ternatea* is a blue flower that gave huge contribution to the many aspects, and one of them is in health aspect. In food aspect, this flower is usually eaten as salad by some people, also used as natural food coloring, or used as ingredient for some beverages like tea or latte. In the health aspect, this flower is known for being able to act as *Ayurveda* and traditional medicine. Every part of this flower such as petals, roots, and leaves have their own benefits. The leaves of *Clitoria ternatea* based on several study are known able to give some benefits such as: hepatoprotective, antibacterial, anti-inflammatory, analgesic, anticancer, and insecticidal effect. Those benefits are due to the compounds exists in the leaf of the plant. A study stated that the leaves have several phytochemical constituents such as alkaloids, phlobatannins, triterpenoids, flavonoids, lipids, steroids, terpenoids, tannin, and glycoside in it.

Keywords: analgesic, antibacterial, anticancer, antidiabetic, anti-inflammatory, butterfly pea, Clitoria ternatea, hepatoprotective, insecticidal



DEDICATION

I dedicate this works for me, myself, and I.



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TABLE OF CONTENTS

	Page
STATEMENT BY THE AUTHOR.....	2
ABSTRACT.....	3
DEDICATION.....	5
ACKNOWLEDGEMENTS.....	6
TABLE OF CONTENTS.....	7
LIST OF FIGURES.....	9
LIST OF TABLES.....	10
CHAPTER 1 - INTRODUCTION.....	11
1.1 Background.....	11
1.2 Research Objectives.....	11
1.3 Significance of the Study.....	12
CHAPTER 2 – RESEARCH METHODS.....	13
2.1 Types of Research.....	13
2.2 Article Review.....	13
2.3 Previous Study.....	13
CHAPTER 3 – BUTTERFLY PEA LEAF COMPONENT.....	15
3.1 Article Search Results.....	15
3.2 Qualitative Leaf Compound.....	15
3.3 Total Flavonoid Content.....	20
3.4 Total Phenolic Content.....	21
CHAPTER 4 – BUTTERFLY PEA LEAF HEALTH BENEFITS.....	23
4.1 Hepatoprotective.....	23
4.2 Antibacterial.....	24
4.3 Analgesic and Anti-Inflammatory.....	29
4.4 Anticancer.....	33
4.5 Antidiabetic.....	35
4.6 Insecticidal.....	37
4.7 Antihelminthic.....	39
4.8 Antioxidant.....	40

CHAPTER 5 – BUTTERFLY PEA LEAF PRODUCT	46
5.1 Leaf Stability	46
5.2 Butterfly Pea Leaf Product.....	46
CHAPTER 6 – CONCLUSION AND RECOMMENDATIONS	47
6.1 Conclusion	47
GLOSSARY	48
REFERENCES	50
CURRICULUM VITAE.....	53



LIST OF FIGURES

Figure	Page
1. Butterfly Pea	12
2. Butterfly Pea Leaf	12
3. Tail Flick Method Analgesiometer Illustration.....	32
4. Analgesiometer Illustration.....	33



LIST OF TABLES

Table	Page
1. Article Used Information	13
2. Phytochemical Screening of Secondary Metabolites from C Ternatea Leaf.....	16
3. Chemical Constituents of C ternatea Leaf Extract.....	18
4. Preliminary Phytochemical Screening in Ethanolic Extract of C Ternatea Leaf.....	19
5. Effect of C Ternatea Leaf Extract on Liver Marker Enzyme and Serum Bilirubin Content	23
6. Antibacterial Activity of C Ternatea Leaf using Solvent with Disc Diffusion Method	25
7. Antibacterial Activity of C Ternatea Leaf Extract using Solvents with Well Diffusion Method.....	26
8. Inhibition Zone of Methanol Extract of C Ternatea	28
9. Effect of C Ternatea Leaves Extract on Carrageenan Induced Model	31
10. Effect of C Ternatea Leaf Extract on Analgesic Activity	33
11. HL60 Cells Reactions at Different Sample Concentration	34
12. Effectivity of Pure Leaf Extract and 50% Leaf Extract	38
13. T-Test between Pure Leaf Extract and 50% Leaf Extract	38
14. Results of in vitro Evaluation of Anthelmintic of C Ternatea Leaf.....	39
15. DPPH Radical Scavenging Assay.....	41
16. Hydroxyl Radical Scavenging Activity of C Ternatea Leaf in Comparison with Standard Ascorbic Acid and Inhibition of Hydroxyl Radical Scavenging Activity	42
17. H ₂ O ₂ Scavenging Activity of C Ternatea Leaf Extract in Comparison of Standard Ascorbic Acid	43
18. Antioxidant Activity of C Ternatea Leaves	44