

**THE EVALUATION OF MULTIPLE TRAPS USED IN SAMPLING  
OF CAVE-DWELLING INSECTS**

**NURUL WAHIDA BT KAMARUDDIN**

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## TABLE OF CONTENTS

	<b>PAGE</b>
<b>ACKNOWLEDGEMENTS</b>	iii
<b>TABLE OF CONTENTS</b>	iv
<b>LIST OF TABLES</b>	vi
<b>LIST OF FIGURES</b>	vii
<b>LIST OF ABBREVIATIONS</b>	viii
<b>ABSTRACT</b>	ix
<b>ABSTRAK</b>	x
<b>CHAPTER 1: INTRODUCTION</b>	
1.1 Background Study	1
1.2 Problem Statement	3
1.3 Significant of Study	4
1.4 Objective of the Study	5
<b>CHAPTER 2: LITERATURE REVIEW</b>	
2.1 Cave	6
2.2 Insect	9
2.3 Insect Traps	10
2.3.1 Pitfall trap	11
2.3.2 Light trap	13
2.3.3 Impact trap	18
2.3.4 Sticky trap	19
<b>CHAPTER 3: METHODOLOGY</b>	
3.1 Materials	
3.1.1 Raw materials	22
3.1.2 Chemicals	22
3.1.3 Apparatus	22
3.2 Method	22
3.2.1 Sampling area	22
3.2.2 Sampling method	23
3.2.3 Laboratory method	24

3.2.3.1	Pinning	25
3.2.3.2	Identification	25
3.2.3.3	Labeling	25
3.3	Statistical Analysis	25
3.3.1	ANOVA	25
3.3.2	Shannon – Weiner diversity index	26
3.3.3	Similarity test	26
 <b>CHAPTER 4: RESULTS AND DISCUSSION</b>		
4.1	Total Collection of Insect	27
4.1.1	Characteristics of community	32
4.1.2	Species area curve and diversity index	34
4.2	Classification of Insect Based on Functional Group in Gua Gunung Senyum	37
4.3	Composition of Insect Between Different Trap in Gua Gunung Senyum	40
4.4	Evaluation of Multiple Traps in Capturing Insect in Gua Gunung Senyum	45
 <b>CHAPTER 5: CONCLUSION AND RECOMMENDATIONS</b>		48
 <b>CITED REFERENCES</b>		50
<b>APPENDICES</b>		55
<b>CURRICULUM VITAE</b>		57

## **ABSTRACT**

### **THE EVALUATION OF MULTIPLE TRAPS USED IN SAMPLING OF CAVE-DWELLING INSECTS**

The term cave is given to a natural underground open space or cavity formed by various geological processes. Based on previous data, the record for cave dwelling insect is very poor due to the fragile features of the cave are making it difficult to do insect sampling. The aim of this study was to identify the insect community in cave of Gua Gunung Senyum and to evaluate the best traps in capturing the cave dwelling insects. There are four types of traps used in this study which were pitfall trap, sticky trap, impact trap and light trap. The samples were collected in three different zone which are entrance zone, middle zone and dark zone. Ten pitfall traps, two sticky traps, one light trap and one impact trap were used in this study. Total individuals captured from the cave were 2292 with 1886 obtained from pitfall trap, 229 from sticky trap, 154 from impact trap and 23 from light trap. Different types of trap used influencing the diversity and abundant of insect captured. Pitfall trap, impact trap and sticky trap are the most suitable trap to be use for cave insects sampling.