

**PRELIMINARY STUDY OF ANTS (HYMENOPTERA:
FORMICIDAE) IN UTM NEGERI SEMBILAN, KUALA
PILAH CAMPUS (BETING)**

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TABLE OF CONTENTS

	PAGE
ACKNOWLEDGEMENT	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	vi
LIST OF FIGURES	vii
LIST OF ABBREVIATIONS	ix
ABSTRACT	x
ABSTAK	xi
CHAPTER 1: INTRODUCTION	
1.1 Background of Study	1
1.2 Problem Statement	2
1.3 Significance of the Study	3
1.4 Objectives of the Study	4
CHAPTER 2: LITERATURE REVIEW	
2.1 Ant Subfamilies	5
2.1.1 Myrmicinae	5
2.1.2 Ponerinae	6
2.1.3 Formicinae	6
2.1.4 Pseudomyrmecinae	7
2.1.5 Cerapachyinae	7
2.1.6 Aenictinae	8
2.1.7 Dolichoderinae	8
2.1.8 Dorylinae	9
2.1.9 Leptanillinae	9
2.2 Special Appearance of Ants Compared to Other Arthropod	10
2.3 Roles of Ants in Ecology	11
2.4 Habitat of Ants	12
2.4.1 Ants of tropical rainforest	13
2.5 Population of Ants	13
2.6 Ants as Social Insects	15
2.6.1 Communication	15
2.6.2 Division of work	16
2.6.3 Learning process	16
2.6.4 Reproductive behaviour	17
2.6.5 Feeding behaviour	18
2.6.6 Nest selection	18
2.7 Use of Ants in Immunology	19

CHAPTER 3: METHODOLOGY	
3.1 Study Site of the Background	20
3.2 Methods	22
3.2.1 Ant sampling	22
3.2.2 Sample collection and calculation	23
3.2.3 Pinning ant specimens	24
3.2.4 Subfamily identification	25
3.3 Statistical Analysis	26
CHAPTER 4: RESULT AND DISCUSSION	
4.1 Subfamily Identification and Frequency of Occurrence of Ants	27
4.1.1 Urban area	30
4.1.2 Mixed-rural area	31
4.1.3 Forest margin area	32
4.2 Analysis of Data	34
4.2.1 Diversity of ants subfamilies	34
4.2.2 Richness of ants subfamilies	35
4.2.3 Evenness of ants subfamilies	37
CHAPTER 5: CONCLUSIONS AND RECOMMENDATIONS	39
CITED REFERENCES	41
APPENDICES	51
CURRICULUM VITAE	53

ABSTRACT

PRELIMINARY STUDY OF ANTS (HYMENOPTERA: FORMICIDAE) IN UITM NEGERI SEMBILAN, KUALA PILAH CAMPUS (BETING)

This preliminary study of ants in UiTM Negeri Sembilan, Kuala Pilah Campus (Beting) aim to identify ants subfamilies occurrence at three different sites in UiTM Negeri Sembilan, Kuala Pilah campus and to determine the ants subfamilies diversity in UiTM Negeri Sembilan, Kuala Pilah campus. The method used at all the three sites was baited-pitfall traps. The ant samples were collected from September 2013 to November 2013 and preserved using 80% ethanol. Four ants subfamilies were found at site A and Site B which are Dolichoderinae, Formicinae, Myrmicinae and Ponerinae. Meanwhile, only three subfamilies found in Site C which are Dolichoderinae, Myrmicinae and Ponerinae. There were 9963 individuals recorded at Site A, 50255 individuals recorded at Site B and 20917 individuals recorded at Site C. Formicinae is found to be the majority subfamily in Site A, whereas Myrmicinae contributes the largest percentage of existence in Site B and C. By using Shannon-Wiener Diversity Index, Site B is shown to the most diverse ($H' = 1.04$). Site A possessed the highest subfamily richness ($R = 0.33$) by using Margalef's Richness Index. Site C showed the highest subfamily evenness ($E = 0.86$) by using Evenness Indices.