

**THE DIVERSITY OF BIRD SPECIES IN PARIT
TINGGI AND BETING, KUALA PILAH, NEGERI
SEMBILAN.**

NURLIYANA BINTI HASHIM

**Final Year Project Submitted In
Partial Fulfillment Of The Requirements For The
Degree Of Bachelor Of Science (Hons.) Biology
Faculty Of Applied Sciences
Universiti Teknologi MARA**

JANUARY 2017

This Final Year Project Report entitled “**The Diversity Of Bird Species In Parit Tinggi And Beting, Kuala Pilah, Negeri Sembilan**” was submitted by Nurliyana Binti Hashim, in partial fulfillment of the requirements for the Degree of Bachelor of Science (Hons.) Biology, in the Faculty of Applied Sciences was approved by

Nursyazni binti Abdul Rahim
Supervisor
B.Sc. (Hons.) Biology
Faculty of Applied Sciences
UiTM Negeri Sembilan
Kampus Kuala Pilah
72000 Kuala Pilah
Negeri Sembilan

Ilyanie Binti Hj. Yaacob
Faculty of Applied Sciences
UiTM Negeri Sembilan
Kampus Kuala Pilah
72000 Kuala Pilah
Negeri Sembilan

Dr. Nor'aishah Binti Abu Shah
Faculty of Applied Sciences
UiTM Negeri Sembilan
Kampus Kuala Pilah
72000 Kuala Pilah
Negeri Sembilan

Date: _____

TABLE OF CONTENTS

	PAGE
ACKNOWLEDGEMENTS	i
TABLE OF CONTENTS	ii
LIST OF TABLES	iv
LIST OF FIGURES	v
LIST OF ABBREVIATIONS	vi
ABSTRACT	vii
ABSTRAK	viii
CHAPTER 1: INTRODUCTION	1
1.1 Background 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	5
2.1 General Facts About Birds.	5
2.2 The Diversity of Birds.	7
2.3 Importance of Birds and Threats of Birds in Parit Tinggi and Beting.	9
2.4 Effect Urbanization Towards the Habitat of Birds.	10
CHAPTER 3: METHODOLOGY	
3.1 Materials	14
3.1.1 Apparatus	14
3.2 Study Area	14
3.2.1 Parit Tinggi and Beting	14
3.3 Procedures	18
3.3.1 Netting	18
3.3.2 Capture	19
3.3.3 Mark and Release	19
3.3.4 Birds Identification	20
3.4 Statistical Analysis	21
3.4.1 Shanon-Wiener Diversity Index	21
3.4.2 Frequency of Occurrence	21

CHAPTER 4: RESULT AND DISCUSSION	22
4.1 Number of Individual Captured at Three Areas.	22
4.2 Statistical Analysis on the Diversity of Birds.	30
CHAPTER 5: CONCLUSION AND RECOMMENDATIONS	32
CITED REFERENCES	34
APPENDICES	39
CURRICULUM VITAE	40

ABSTRACT

THE DIVERSITY OF BIRD SPECIES IN PARIT TINGGI AND BETING, KUALA PILAH, NEGERI SEMBILAN.

Birds play an important role in ecosystem as many plants depends on birds to spread their seeds for pollination and they are also important for insect control as they can consume large quantities of mosquitoes, caterpillars, beetles and moths. However, due to some activities such as housing construction, agriculture and logging can cause changes in bird species diversity. The aim for this study was to compare the diversity of bird species at three different sites and frequency of occurrence of birds at three different types of area in Parit Tinggi and Beting, Kuala Pilah. Mist net was used to capture birds and identify bird species at three different sites. After the observation birds were marked and release at the same place where they were captured. In this study, results showed Area 3 has more species compared to Area 1 and Area 2 as shown by the diversity index value ($H' = 1.792$) at Area 3 with frequency of occurrence of 6 bird species.