

**A STUDY ON THE ENVIRONMENTAL IMPACT ON THE
MISUSED BUILDING (BIRD HOUSE)**

**RAJA NURUL EMILEEN BINTI R ZAINAL
2005631941**

**BUILDING SURVEYING DEPARTMENT
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
UNIVERSITI TEKNOLOGY MARA
SHAH ALAM, SELANGOR DARUL EHSAN**

APRIL 2007



CONTENTS	PAGE
ACKNOWLEDGMENT	i
ABSTRACT	ii
LIST OF TABLE	iii
LIST OF FIGURE	iv
LIST OF PICTURES	v
LIST OF CHART	vi
1.0 INTRODUCTION	
1.1 PRELIMINARIES	1
1.2 TOPIC DEFINITION	3
1.3 STATEMENT OF ISSUES	4
1.4 OBJECTIVE OF STUDY	6
1.5 SCOPE OF STUDY	7
1.6 METHODOLOGY OF STUDY	8
1.7 CHAPTER ARRANGEMENT	9
2.0 SWIFTLETS FARMING	
2.1 INTRODUCTION - SCIENTIFIC NAMES	11
2.2 SWIFTLETS	13
2.3 EDIBLE NEST SWIFTLETS	17
2.4 BIRD HOUSE	21
2.5 INSIDE THE BIRD HOUSE	23
2.6 MAJOR SWIFTLET FARMING TOWNS IN NORTHERN MALAYSIA	27
2.7 ANNUAL BREEDING PERIODICITY	28
2.8 COMPONENTS OF A SWIFTLETS FARM	29
2.9 CONCLUSION	34
3.0 LAWS AND REGULATIONS	
3.1 INTRODUCTION	35
3.2 LOCAL AUTHORITY – MAJLIS PERBANDARAN MANJUNG (MANJUNG TOWN COUNCIL)	36
3.3 DEPARTMENT OF VERTINARY SERVICES	38
3.4 FIRE AND RESCUE DEPARTMENT	62
3.5 CONCLUSION	65



4.0 CASE STUDY

4.1 PREFACE	66
4.2 CASE STUDY 1 – FASA 1C SERI MANJUNG	69
4.3 CASE STUDY 2 – VENICE OF PERAK, LUMUT	76
4.4 CASE STUDY 3 – KAMPUNG KOH	80
4.5 CONCLUSION	84

5.0 ANALYSIS AND FINDINGS

5.1 PREFACE	85
5.2 DATA COLLECTION	86
5.3 FORMAT OF QUESTIONNAIRE	87
5.4 DATA ANALYSIS METHODOLOGY	88
5.5 QUANTITATIVE ANALYSIS	89
5.5.1 Characteristics of the Respondents	89
5.5.2 General view of respondents	92
5.5.3 Respondents opinion and recommendation	98
5.6 CONCLUSION	99

6.0 CONCLUSION AND RECOMMENDATION

6.1 PREFACE	100
6.2 FINDINGS	101
6.2.1 Objectives of study	101
6.2 CONCLUSION	103
6.3 COMMENTS AND RECOMMENDATIONS	104

REFERENCES

APPENDIX



ACKNOWLEDGMENTS

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Thanks to God, with His bless I could completed my dissertation successfully.

This dissertation also would not possible if not for the assistance and guidance of following people:

- ❖ Supervision lecturer, Sr Ghazali Mohd. Amin for his guidance and information throughout my writing process.
- ❖ My parents for their constant encouragement and support.
- ❖ My friends for their ideas and help.
- ❖ Manjung Town Council for providing some related information.
- ❖ And to all who help me in completing my dissertation.

Thank you very much.



ABSTRACT

This dissertation is a study about the environmental impact of the misused building or bird house. It's about the issues about the shophouses that been converted into bird house that bring harm to the people living around the area; the bird's voice that bring noise, the guano smells and other item that related to local authority regulations that entrepreneur tends to break the rules.

The area of study is in coastal area that is well-known with bird house. This study is to identify where is the common location that entrepreneur choose to build the bird house. Besides that, this study also is to identify what are the environmental problems that need to be improved and find the effective solutions of the problems.

This study also is hoped to gain more information about this issues as this is quite a new industry (bird house-swiftlets) to our country.