

UNIVERSITI TEKNOLOGI MARA

**NOISE ON BIRD'S NEST INDUSTRY AT
HILIR PERAK DISTRICT**

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**Project paper submitted in partial fulfilment of the requirements
for the degree of
Bachelor in Environmental Health and Safety (Hons.)**

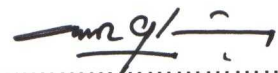
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Declaration by Student

Project entitled "Noise on Bird's Nest Industry At Hilir Perak District" is a presentation of my original research work. Wherever contributions of others are involved, every effort is made to indicate this clearly, with due references to the literature, and acknowledgement of collaborative research and discussion. The project was done under the guidance of Mr. Nasaruddin Bin Abdul Rahman as Project Supervisor and Miss Siti Rohana Binti Mohd Yatim as Co-supervisor. It has been submitted to the Faculty of Health Sciences in partial fulfilment of the requirement for the Degree of Bachelor in Environmental Health and Safety (Hons).

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TABLE OF CONTENTS

TITLE PAGE	
ACKNOWLEDGEMENT	ii
TABLE OF CONTENTS	iii
LIST OF TABLES	vi
LIST OF FIGURES	vii
LIST OF APPENDICES	viii
LIST OF ABBREVIATIONS	ix
ABSTRACT	x
CHAPTER ONE : INTRODUCTION	1
1.1 Background Information	1
1.2 Problem Statement	3
1.3 Study Justification	5
1.4 Study Objectives	6
1.4.1 General Objectives	6
1.4.2 Specific Objectives	6
1.5 Study Hypothesis	6
1.6 Conceptual Framework	7
1.7 Conceptual and Operational Definitions	8
1.7.1 Mixed Development Area	8
1.7.2 Area Noise Monitoring	8
1.7.3 Continuous Noise	8
1.7.4 LAeq	8
CHAPTER TWO : LITERATURE REVIEW	9
2.1 Bird's Nest from a nutrition point of view	9

Abstract

Noise on Bird's Nest Industry At Hilir Perak District

Mohd Amir Bin Md Khalid

Malaysia is the world's third biggest producer of bird's nest after Indonesia and Thailand with an average of 12 tonnes of nests produced monthly. Hilir Perak District was one of the contributors where about more than 1000 swiflet farms were set-up at mixed development area (residential-commercial). There were lots of complaint from the public on the stench from the bird's droppings and continuous noise from the speaker. A cross sectional study has been carried out to identify the noise level exposed to the resident and to identify the health impact nearby resident. Respondent were selected by stratified random sampling (n=80). Noise mapping was done by using Sound Level Meter brand SOLO 01dB type I. A standardized procedure was done based on the guidelines from Department of Environmental, Malaysia. Result shown that the noise levels were decreased between distance 50 meter, 100 meter, 150 meter and 200 meter. The noise levels exceeded action levels (40dB) as stated in the Guideline For Bird's Nest Industry thus there was a significant difference between the level of sound and sampling distance. Study also found that there was a significant correlation between noise exposure and blood pressure against respondents (n=37). Hopefully, this study can be a baseline for government to set up specific guidelines for the bird nest industry in Malaysia.

Keywords: Swiflet, mixed development (commercial-residential), noise mapping, continuous noise.