

**UNIVERSITI TEKNOLOGI MARA**

**A descriptive community health study  
at kampung sungai chenaam, mukim 10, NIBONG TEBAL  
daerah SEBERANG PERAI SELATAN**

**Fatin Syafiqah Mohd Yusof**

**DIPLOMA IN ENVIRONMENTAL HEALTH  
FACULTY OF HEALTH SCIENCES**

**APRIL 2016**

## DECLARATION BY STUDENTS

Project entitled "*A Descriptive Community Health Study* at Kampong Sungai Chenaam, Mukim 10, Nibong Tebal is a presentation of my original work. Wherever contributions of others are involved, every effort is made to indicate this clearly, with due reference to the literature, and acknowledgement of collaborative project and discussions. This project was done under the guidance and supervision of En. Haris Fadzilah Bin Abu Hasan as preceptor and En. Amir Heberd B. Abdullah as supervisor. This project has been submitted to the Faculty of Health Sciences in partial fulfilment of the requirements for the awarding of Diploma in Environmental Health.

Signature: .....

Student's Name: FATIN SYAFIQAH BT MOHD YUSOF

Matrix Number: 2013401656 I/C number: 950717-##-####

Date: .....

## APPROVAL BY SUPERVISORS

We hereby declare that this project is from the student's own work and effort, and all other sources of information used have been acknowledged. This project has been submitted with our approval.

Accepted to be evaluated by:

Signature:.....

Preceptor's Name: En. Haris Fadzilah Bin Abu Hasan

Date: .....

Accepted to be evaluated by:

Signature:.....

Supervisor's Name: En. Amir Heberd B. Abdullah

Date:

## TABLE OF CONTENTS

| TITLE  | Page Number |
|--|-------------|
| CANDIDATE DECLARATION                          | i           |
| APPROVAL BY SUPERVISORS                        | ii          |
| ACKNOWLEDGEMENT                                | iii         |
| LIST OF TABLES                                 | iv          |
| LIST OF FIGURES                                | v-vi        |
| LIST OF ABBREVIATION                           | vii         |
| ABSTRACT                                       | viii        |
| ABSTRAK  | ix          |
| <b>CHAPTER 1: INTRODUCTION</b>                 |             |
| 1.1 Background Information                     |             |
| 1.1.1 Background Information of District       | 1-7         |
| 1.1.2 Background of Kampung Sungai Chenaam     | 8           |
| 1.1.3 History of Kampung Sungai Chenaam        | 9           |
| 1.2 Problem Statement                          | 10          |
| 1.3 Study of Objective                         | 10          |
| 1.3.1 General Objective                        | 10          |
| 1.1.2 Specific Objective                       | 10          |
| 1.4 Scope of study                             | 11          |
| 1.5 Study of methodology                       | 11          |
| 1.6 Significant study                          | 12          |
| 1.7 Limitation study                           | 12-13       |
| 1.8 Conclusion                                 | 14          |
| <b>CHAPTER 2: LITERATURE REVIEW</b>            |             |
| 2.1 Community survey                           | 15          |
| 2.2 Risk assessment                            | 15-17       |
| 2.3 Environmental health impact                | 17          |
| 2.4 Health statistic of Seberang Perai Selatan | 18          |
| 2.5 Ventilation                                | 18          |
| 2.6 Lighthing                                  | 19          |
| 2.7 Water supply                               | 19          |
| 2.8 Overcrowding                               | 20          |

|      |                        |       |
|------|------------------------|-------|
| 2.9  | Sewage management      | 20    |
| 2.10 | Solid waste management | 21-23 |
| 2.11 | Housefly               | 24    |
| 2.12 | Mosquitoes             | 25-26 |
| 2.13 | House rat              | 26-28 |
| 2.14 | Cockroaches            | 28-29 |
| 2.15 | Dengue fever           | 29    |
| 2.16 | Safety at home         | 30    |
| 2.17 | Health promotion       | 30-31 |

### **CHAPTER 3: METHODOLOGY**

|     |                          |       |
|-----|--------------------------|-------|
| 3.1 | Preparation before study | 32-34 |
| 3.2 | During study             | 35-38 |
| 3.3 | After survey             | 39    |
| 3.4 | Report writing           | 39-40 |
| 3.5 | Conclusion               | 40    |

### **CHAPTER 4: RESULT AND DISCUSSION**

|     |                          |       |
|-----|--------------------------|-------|
| 4.1 | Demography analysis      | 41-45 |
| 4.2 | Housing                  | 46-49 |
| 4.3 | Domestic water supply    | 50-54 |
| 4.4 | Domestic sewage          | 55    |
| 4.5 | Drainage system          | 56-57 |
| 4.6 | Domestic refuse disposal | 57-64 |
| 4.7 | Vector and pest          | 64-69 |
| 4.8 | Safety                   | 70-71 |
| 4.9 | Health promotion         | 71-73 |

### **CHAPTER 5: CONCLUSION AND RECOMMENDATIONS**

|            |                        |              |
|------------|------------------------|--------------|
| <b>5.1</b> | <b>Conclusion</b>      | <b>74-75</b> |
| <b>5.2</b> | <b>Recommendations</b> | <b>76-78</b> |

## ABSTRACT

A DESCRIPTIVE COMMUNITY HEALTH STUDY AT KAMPUNG SUNGAI CHENAAM,  
MUKIM 10,  
NIBONG TEBAL, PULAU PINANG.

FATIN SYAFIQAH BT MOHD YUSOF

A study aimed to assess the health status of population and the factors that cause health risks to villagers was conducted in Kampung Sungai Chenaam. The descriptive community health study area is located in Nibong Tebal, Seberang Perai Selatan. The distance between studied area and Seberang Perai Selatan District Health Office was 15 km. This survey was conducted by 4 students from Faculty Health Science, Diploma in Environmental Health, UiTM who are undergoing practical training at the Seberang Perai Selatan District Health Office. Study period was on going from 1<sup>st</sup> December 2015 until 18<sup>th</sup> January 2016. About 68 houses in Kampung Sungai Chenaam were selected randomly during the survey and all of them are Malay. The study is conducted by the guides of standardized questionnaires form provided by faculty. The questionnaires consists six parts which is Respondents' Information, Housing Characteristic, Domestic Water Supply, Domestic Sewage and Drainage System, Domestic Refuse Disposal and Vector & Pest Management, and Safety and Health Promotion. Based on the community surveys carried out, there are some significant problems that have been identified. The problem at study area is improper solid waste management problem. The problem is arising due to lack of awareness by the community on proper management of solid waste around their house. 61.8% of respondents do not separate their waste and 30.9% flies are most attracting to waste. For this problem, health awareness campaign should be done on the refuse disposal system to community in Kampung Sungai Chenaam.