



**KNOWLEDGE TOWARDS DIABETES MELLITUS AMONG THE
HEALTH SCIENCES AND EDUCATION STUDENTS IN UiTM
PUNCAK ALAM CAMPUS**

By

AYU JONATHAN SERIBU

**Thesis Submitted in Partial Fulfilment of the Requirements for
Bachelor in Medical Laboratory Technology (Hons),
Faculty of Health Sciences,
Universiti Teknologi MARA**

2019

AUTHOR'S DECLARATION

I hereby declare that this thesis is my original work and has not been submitted previously or currently for any other degree at UiTM or any other institutions.

Signature:

Name: Ayu Jonathan Seribu

Students ID: 2015209646

Date:

ACKNOWLEDGEMENT

First and foremost, thanks to God for His never-ending blessing and loves that gave me the strength to complete this final year project within a given timeframe. It is my pleasure and proud privilege to express my heartiest regards and gratitude to my respected supervisor, Dr. Mazura Bahari for her expert supervision, valuable advice, optimistic counseling, constant support and encouragement to finish this study completely.

I would also like to put forward my most sincere regards and profound gratitude to En. Khairil Anuar Mad Isa for tutored and guiding me all the precious data, particularly on the way to manage and construct the study supported data based on the statistic. The encouragement and positive comments from Him really facilitate me to complete this study. May God repay all their kindness. A lot of thanks to my Final Year Project teammates, Wan Nur Izyani Binti Wan Ruslan and Lailatul Ainaa Amirah Binti Abdul Samad for sharing information and support one another from beginning the project till it finished. Sincere thanks to all Health Sciences and Education students who volunteer to be this study subject and to all my classmates for his or her sensible cooperation for taking part in this study. Last but not least, I would like to thanks my family and friends for their care and encouragement during my research work.

TABLE OF CONTENTS

TITLE	PAGE
TITLE PAGE	i
DECLARATION	ii
INTELECTUAL PROPERTIES	iii
ACKNOWLEDGEMENT	vi
TABLE OF CONTENTS	vii
LIST OF TABLES	xi
LIST OF FIGURES	xii
LIST OF SYMBOLS	xiii
LIST OF ABBREVIATIONS	xiv
ABSTRACT	xv
 CHAPTER 1: INTRODUCTION	
1.1 Background of the study.....	1
1.2 Problem statement.....	3
1.3 Objectives of the study	
1.3.1 General objective.....	3
1.3.2 Specific objectives.....	3
1.4 Research hypothesis	
1.4.1 Alternative hypothesis.....	4
1.4.2 Null hypothesis.....	4
1.5 Significances of the study.....	4

ABSTRACT

KNOWLEDGE TOWARDS DIABETES MELLITUS AMONG HEALTH SCIENCES AND EDUCATION STUDENTS IN UiTM SELANGOR PUNCAK ALAM CAMPUS

Diabetes mellitus (DM) is a major emerging clinical and public health problem. It is essential to evaluate the knowledge of diabetes mellitus among students to help in designing a promotional strategy to plan an effective program of health education among students to improve diabetes mellitus among the young generation in the future. The objective of this study to evaluate the level of knowledge toward diabetes mellitus among students in UiTM Puncak Alam. A cross-sectional study was carried out among 376 students from March 2019 to June 2019, assessing their knowledge of diabetes, its symptoms, risk factor, and complications. A Pearson chi-square and T-test was used to determine the level of knowledge. Out of 376 students, 72% were female and 27.9% were male with the age 22 years with a range of 18 to 40 years old. The study showed a significant difference in level knowledge between Health Sciences and Education students with (p-value <0.05). A higher mean total level of knowledge was observed among Health Sciences students (2.8, SD=0.32) compare to Education students (2.5, SD=0.52). Although there is a mean difference between the two faculties, it showed that both students have an excellent level of knowledge towards diabetes mellitus. From this study, we can conclude that UiTM Puncak Alam students who are from Health Sciences and Education students' knowledge about diabetes mellitus were good knowledge of diabetes mellitus.

Keywords: Diabetes mellitus, Knowledge, Students