

**UNIVERSITI TEKNOLOGI MARA**

**KNOWLEDGE, ATTITUDE AND  
PRACTICES TOWARDS TRAFFIC  
RULES AND REGULATIONS  
AMONG FOOD DELIVERY RIDERS  
IN PUNCAK ALAM**

**MUHAMAD AFIQ ZAMIR BIN JUMRI**

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

**Faculty of Health Science**

January 2023

## ACKNOWLEDGEMENT

*In the name of Allah, The Most Gracious, The Most Merciful.*

Assalamualaikum and Alhamdulillah, all praise to Allah S.W.T The Supreme Lord of the Universe. Peace and blessing to Prophet Muhammad S.A.W., all prophets and their families. I praise Allah S.W.T. for the strength and His blessings in completing my study.

Thousands of thanks and love to my parents Mr. Jumri Bin Musi and

for their support and encouragement through thick and thin of my study. My deepest gratitude and appreciation to my dearest supervisor, Mr. Mohd Izwan Bin Masngut who spent his time and efforts in guiding and advising from the beginning till the end of my research journey. Not to forget, I would like to thank all the lecturers in Department of Environmental Health and Safety, Faculty of Health Sciences who always share their thoughts, knowledge and advice throughout my study in UiTM Puncak Alam. Only God can reward all of you with goodness.

My sincere thanks and appreciation goes to all the staff from the department and laboratory who gave their full cooperation and assisted me in many ways throughout my study. A special thanks to my friends from HS243 who always give me support and motivation while completing my study. May our friendship last forever. Lastly, I would like to thank everyone who involved directly and indirectly in this study. Thank You

## **TABLE OF CONTENTS**

<b>TITLE PAGE</b>	
<b>DECLARATION BY STUDENT</b>	<b>iv</b>
<b>INTELLECTUAL PROPERTIES</b>	<b>v</b>
<b>APPROVAL BY SUPERVISOR</b>	<b>viii</b>
<b>ACKNOWLEDGEMENT</b>	<b>ix</b>
<b>TABLE OF CONTENTS</b>	<b>x</b>
<b>LIST OF FIGURES</b>	<b>xiii</b>
<b>LIST OF TABLES</b>	<b>xiv</b>
<b>LIST OF ABBREVIATIONS</b>	<b>xv</b>
<b>ABSTRACT</b>	<b>xvi</b>
<b>ABSTRAK</b>	<b>xvii</b>
<b>CHAPTER 1: INTRODUCTION</b>	<b>1</b>
1.1    Background of study	1
1.2    Problem statement	2
1.3    Research objectives	3
1.3.1    General objectives	3
1.3.2    Specific objective	3
1.4    Research question	4
1.5    Hypothesis	4
1.6    Scope and limitation	5
1.7    Significant of the study	6

## ABSTRACT

**Introduction:** It is known that food delivery riders, as a profession, face many challenges, including long working hours, exposure to traffic and inclement weather, lack of job security, low pay, and lack of benefits. They may also be at increased risk of accidents while riding their vehicles. The study's objective is to assess the food delivery riders' knowledge, attitudes, and practice regarding traffic rules and regulations in Puncak Alam.

**Method:** This study was conducted among the food delivery riders in Puncak Alam. The questionnaire was distributed to the food delivery riders in Puncak Alam. Data were analyzed using SPSS version 28, Chi-square. **Results:** This study found that 30 % of the respondents have experienced a crash in the past 12 months, and the other 70 % has not have experienced a crash in the past 12 months. For the knowledge score, this study found that two people have inadequate knowledge and the other 18 have adequate knowledge. From the attitudes score, nine food delivery riders have a negative attitude towards delivery riders, and the other 11 have a positive attitude. Also, for the practices score, the other 18 people have a good practice, but two have poor practice. For the statistical analysis, this study found a strong positive association between inadequate knowledge and poor practices with the age of food delivery riders. Statistical analysis also showed a significant association between food delivery riders who own their vehicles and attitudes. **Conclusion:** This study concludes that attitude is a significant problem for food delivery riders. This study found a strong significant association between inadequate knowledge, poor practices, and the age of food delivery riders. Thus, this study can give the authority perspective on what can be made to reduce the accident caused by food delivery riders.

**Keyword:** *Food delivery riders, knowledge, attitudes, practices, traffic rules and regulations, age*

# **CHAPTER 1**

## **INTRODUCTION**

### **1.1 Background of study**

Most motorcycles are now known and have become Malaysia's most frequent mode of transportation in specific expanding and crucial locations of the world. There are over 200 million registered motorbikes worldwide (Yousif et al., 2020). Motorcycles have become Malaysia's second most popular mode of transportation due to economic reasons and ease of travel, particularly in congested areas. There are now 12 million registered motorbikes in Malaysia, accounting for 45.8 % of all registered vehicles (Yousif et al., 2020). One of the primary reasons that motorcycles are so prevalent in those countries is due to much lower motorcycle pricing and low fuel consumption. Despite the importance of transportation in society, it also has the negative effect of road accidents, such as traffic deaths. Motorcyclists are generally seen as "risk takers" and "speed rebels." It is not uncommon to observe a motorcycle travelling quicker than a car, overtaking more frequently, and pulling into narrower spaces in traffic (Cheng et al., 2015). Motorcycles' travel speed, safe distance, longitudinal movement, and lateral movement are noticeably distinct from other vehicles.

For statistical purposes, the definition of a road accident in all parts of Malaysia is contained in the 2012 Malaysia Road Accident Report when the road accident is an occurrence on public or private roads caused either by disregard or lack of any person or by environmentally friendly causes that result in at least a moving vehicle accident involving fatal injury or death. The deaths involving motorcyclists and passengers appear to be the highest (61.2 %) compared to the other categories given by Malaysia's Road