



UNIVERSITI TEKNOLOGI MARA (UTM), SABAH
FACULTY OF ADMINISTRATIVE SCIENCE AND POLICY STUDIES

PUBLIC AWARENESS AND PRACTICE ON THE ELECTRICAL
AND ELECTRONIC WASTE (E-WASTE) MANAGEMENT IN
SEPANGGAR, KOTA KINABALU

PREPARED BY:

MOHD SHUAIB BIN AHMAD (2014487056)
SHARON BINT EDWARD (2014800396)

JUNE 2016

THE DECLARATION

I declare that the work in this thesis was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the result of my own work, unless otherwise indicated or knowledge as referenced work. This thesis has not been submitted to any other academic institution or non-academic institution for any other degree or qualification.

In the event that my thesis is found violate the conditions mentioned above, I voluntarily waive the right of conferment of my degree and agree to be subjected to the disciplinary rules and regulations Universiti Teknologi MARA.

Name : Mohd Shuaib Ahmad
ID No : 2014487056
Programme : Bachelor in Administrative Science (Honor)
Faculty : Faculty of Administrative Science and Policy Studies
Thesis Title : Public Awareness and Practice on the Electrical and Electronic Waste (E-waste) Management at Sepanggar, Kota Kinabalu
Singnature
Date : 17 June 2016

Name : Sharon Edward
ID No : 2014800396
Programme : Bachelor in Administrative Science (Honor)
Faculty : Faculty of Administrative Science and Policy Studies
Thesis Title : Public Awareness and Practice on the Electrical and Electronic Waste (E-waste) Management at Sepanggar, Kota Kinabalu
Singnature
Date : 17 June 2016

ABSTRACT

The Dissertation

by *[Name]*

E-waste management is one of the complex dilemmas in most countries, yet it is still new in Sabah. E-waste can be defined as any discarded electrical and electronic equipment such as mobile phone, air conditioner, refrigerator and many more. Proper E-waste management are essential in ensuring harmful environment that contribute in human health. The objective of this study is to analyse the level of public awareness and the E-waste practice among the public in Sepanggar area. This study is significant to shed more light on the issues regarding E-waste management in Malaysia especially in Sabah. The data and information used in this study were collected by distributing 300 questionnaires randomly in Sepanggar area. However, there were only 296 that have been submitted back to researchers. Besides that, this study also used secondary method such reviewing document from both online and offline resources. All the information gathered is important to bring some ideas in conducting the research. The results indicate that the majority of the respondent has moderate level of awareness (mean of 3.29) while level of practice also have moderate level (mean 3.06). Weak positive relationship between level of awareness and level of practice are also revealed in this research. Although review showed that demographic background such as age and type of employment contribute to level of awareness, this study pointed out the opposite result.

1.5	Significance of Study	10
1.6	Definition of Terms	11
CHAPTER 2	LITERATURE REVIEW AND CONCEPTUAL FRAMEWORK	2
2.0	Introduction	13
2.1	World Waste Management Issues	13
2.2	E-Waste Management Issues	16
2.3	Importance of Awareness	19
2.4	In Enhancing Efficiency of E-Waste Management	21
2.5	Conceptual Framework	23
2.6	The Relationship Between Awareness and Practice	24

CONTENTS

The Declaration	ii	
Acknowledgment	iii	
Abstract	iv	
Contents	v	
List of Tables	vii	
CHAPTER 1	INTRODUCTION	
1.0	Introduction	1
1.1	Background of the Study	1
1.2	Problem Statement	6
1.3	Research Question	9
1.4	Research Objective	9
1.5	Scope of the Study	10
1.6	Significance of Study	10
1.7	Definition of Terms / Concepts	11
CHAPTER 2	LITERATURE REVIEW AND CONCEPTUAL FRAMEWORK	
2.0	Introduction	13
2.1	Solid Waste Management Issues	13
2.2	E-Waste Management Issues	16
2.3	Importance of Awareness	18
2.4	In Enhancing Efficiency of E-Waste Management	20
2.5	E-waste Practice	22
2.6	The Relationship Between Awareness and Practice	24

LIST OF TABLES AND CHART

Table 4.2.1	Profile of the Respondent	36
Table 4.2.2	The Public Awareness on E-waste	40
Table 4.2.3	The Public Practice on E-waste	44
Table 4.3	The Public's Awareness Level and Mean	48
Table 4.3.1	The Level of E-waste Practice and Mean	49
Table 4.4	Cross-Tabulations of the Public's Awareness Level and Age of Respondent	50
Table 4.4.1	Cross-Tabulation of the Public's Awareness and Highest Educational Level	51
Table 4.4.2	Cross-Tabulation of the Public's Awareness and Types of Employment of Respondent	52
Table 4.4.3	Cross-Tabulation of the Public's Awareness and Household Monthly Income of Respondent	53
Table 4.4.4	Cross-Tabulation of the Level of E-waste Practice and Age of Respondent	54
Table 4.4.5	Cross-Tabulation of the Level of E-waste Practice and Highest Educational Level of Respondent	55
Table 4.4.6	Cross-Tabulation of the Level of E-waste Practice and Types of Employment of Respondent	56
Table 4.4.7	Cross-Tabulation of the Level of E-waste Practice and Household Monthly Income of Respondent	57
Table 4.5	Correlation Matrix of the Level of Public Awareness and Level of Practice towards E-waste	58
Chart 2.1	Research Framework of the Public Awareness and Practice on E-waste Management	27