

Intention Of Oil Palm Smallholder To Use Oil Palm Residue

MUHAMMAD FARHAN ALIFF BIN DOL MALEK

**Final Year Project Report Submitted in
Partial Fulfilment of the Requirements for the
Degree of Bachelor of Science (Hons.) Plantation Management and Technology
in the Faculty of Plantation and Agrotechnology
Universiti Teknologi MARA**

JULY 2019

ACKNOWLEDGEMENTS

Alhamdulillah, the success and final outcome of this research required a lot of guidance, patient, knowledge and assistance from many people around me. I am extremely lucky to have got this all along the finished of my study. All that I have done is only due to such guidance and assistance which I would not forget to thank them.

Firstly, my respect and thank to supervisor, Madam Nur Aziera binti Ruslan for providing me an opportunity to do the research in FELDA Chini Timur and giving me all the support, knowledge and guidance which made me complete my study. Madam Nur Aziera binti Ruslan who took keen interest on my research and guided me all along, until the completion of my project work by providing all the necessary information. I am very thankful to her for providing such a great support and guidance, although she had busy time table.

I would not forget to remember my parents Mr. Dol Malek bin Yatim and Ms. Rozila binti Mohamed for their encouragement and more over for their timely support, prayer, finance support and guidance until the completion of my study.

Last but not least, I heartily thank my siblings, my beloved one and friends for their assistance, guidance and suggestions during this final year project research. They also heavily support and helped me in successfully completing my research.

MUHAMMAD FARHAN ALIFF BIN DOL MALEK

TABLE OF CONTENTS

	Page
DECLARATION	I
ACKNOWLEDGEMENTS	II
TABLE OF CONTENTS	III
LIST OF TABLES	VI
LIST OF FIGURES	VIII
LIST OF ABBREVIATIONS	IX
ABSTRACT	X
ABSTRAK	XI
CHAPTER 1 INTRODUCTION	1
1.1 Research Background	1
1.2 Problem Statement	5
1.3 Research Questions	6
1.4 Objectives	6
1.5 Significance of Study	6
1.5.1 Plantation Industry Of Oil Palm	7
1.5.2 Academicians	7
1.6 Hypothesis	7
1.6.1 Attitude	7
1.6.2 Subjective Norms	7
1.6.3 Perceived Behaviour Control	8
1.6.4 Knowledge	8
1.7 Limitation of Study	8
1.8 Thesis Organization	9
CHAPTER 2 LITERATURE REVIEW	11
2.2 Oil Palm	11
2.2.1 Origin and Distribution	11
2.2.2 Taxonomy of Oil Palm	12
2.2.3 Morphology of Oil Palm	12

2.2.4	Oil Palm Industry	13
2.3	Oil Palm Residue	13
2.4	Empty Fruit Bunch (EFB)	14
2.5	Intention of Smallholder	17
2.6	Concept of Independent Variable	17
2.7	Attitude	17
2.8	Subjective Norms	18
2.9	Perceived Behaviour Control	18
2.10	Knowledge	18
2.11	Explanation of Model Used	19
2.12	Summary	20
 CHAPTER 3 RESEARCH METHODOLOGY		 21
3.1	Introduction	21
3.2	Conceptual Framework	22
3.3	Location of Study	23
3.4	Data Collection	24
3.5	Population Sample	24
3.6	Sampling Technique	25
3.7	Source of Data	25
	3.7.1 Primary Data.....	25
3.8	Questionnaire Design	26
3.9	Pilot Study	27
3.10	Data Analysis	27
	3.10.1 Descriptive Analysis	28
	3.10.2 Reliability Analysis	28
	3.10.3 Factor analysis	29
	3.10.4 Correlation Analysis.....	29
3.11	Summary	31
 CHAPTER 4 RESULT AND DISCUSSION		 32
4.1	Introduction	32
4.2	Reliability Analysis	32
4.3	Descriptive Analysis	34
	4.3.1 Gender	34

INTENTION OF OIL PALM SMALLHOLDER TO USE OIL PALM RESIDUE

Muhammad Farhan Aliff B Dol Malek, Aziera Binti Ruslan*

Faculty of Plantation and Agrotechnology, UiTM (Malacca) Jasin Campus, 77300, Malacca.

Corresponding Author:
nurazieruslan@gmail.com

ABSTRACT

Today oil palm industry in Malaysia has grown wisely and it getting in the larger scale year by year, almost 1,874,000 ha been expended to become oil palm plantation in Malaysia. Malaysia made almost 17.89 tan per hectare and become second world's premium producer of oil palm with 60% are from private company and almost 40% are from smallholder. Oil palm estate produce 80 tonnes of dry oil palm residue such as EFB. Abundance of EFB can contributed to health and environmental problems. The problem of smallholder to manage and using EFB. Smallholder focus on oil palm production while oil palm residue they just ignore. This created the abundance oil palm waste, for example major abundance of oil palm waste is EFB which can be found abundance at mill area. The objective of this was to investigate among smallholder the intention of oil palm smallholder to used oil palm residue. The objective been focus on identify the factor that influencing intention of oil palm smallholder to used oil palm residue and to examine the relationship between factor of intention of oil palm smallholder to used oil palm residue. The study been investigate at the oil palm plantation at Felda Tasik Chini in Pahang. The location was good to be choose due to larger amount of smallholder at that place. With the 340 of total population and the respondent been target is about 181 sample based on Krejcie and Morgan table. Statistical Package for Social Science (SPSS) been use to conduct this study. A questionnaire based on survey that been conducted to smallholder to get their information, and the data received been analyze by using IBM SPSS software. The result show several factor that lead to the intention of oil palm smallholder to used oil palm residue that could lead the intention of oil palm residue such as subjective norm, perceived behavioral control, attitude and knowledge. This study highlight the factors that influencing intention of oil palm smallholder to used oil palm residue. It is very important to know which factor is influencing the intention. The most influencing factor that lead to intention of oil palm smallholder to used oil palm residue is subjective norm which is there are influence from government, family and friends itself. Thus it very important to government influence the smallholder toward intention of oil palm smallholder t used il palm residue. Government is the most influence so it need to encourage and motivate smallholder to use oil palm residue such as EFB.

Keywords: Intention Of Oil Palm Residue, Empty Fruit Bunch, Intention Smallholder.