

**THE IMPACT OF OIL PALM EMPTY FRUIT BUNCH (OPEFB) FIBRE  
LOADING ON LOW DENSITY POLYETHYLENE (LDPE)**

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for the award of the degree of  
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## **SUPERVISOR'S DECLARATION**

We hereby declare that we have checked this thesis and in our opinion, this thesis is adequate in terms of scope and quality for the award of the degree of Bachelor of Chemical Engineering.

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**STUDENT'S DECLARATION**

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree

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Dedicated to my parents, and my supervisors.

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## TABLE OF CONTENTS

	<b>Page</b>
<b>SUPERVISOR’S DECLARATION</b>	<b>ii</b>
<b>STUDENT’S DECLARATION</b>	<b>iii</b>
<b>ACKNOWLEDGEMENT</b>	<b>v</b>
<b>ABSTRACT</b>	<b>vi</b>
<b>ABSTRAK</b>	<b>vii</b>
<b>TABLE OF CONTENTS</b>	<b>viii</b>
<b>LIST OF TABLES</b>	<b>x</b>
<b>LIST OF FIGURES</b>	<b>xi</b>
<b>LIST OF SYMBOLS</b>	<b>xii</b>
<b>LIST OF ABBREVIATIONS</b>	<b>xiii</b>
<b>CHAPTER 1 INTRODUCTION</b>	<b>1</b>
1.1 Background of the Study	1
1.2 Motivation	2
1.3 Problem Statement	3
1.4 Objectives	3
1.5 Scopes of Study	3
<b>CHAPTER 2 LITERATURE REVIEW</b>	<b>4</b>
2.1 Introduction	4
2.2 Natural fibre	4
2.2.1 Type of natural fibre	5
2.2.2 Chemical Properties	6
2.2.3 Mechanical strength of natural fibers	8
2.2.4 Morphology of natural fibre	9
2.2.5 Advantages and Disadvantages of Natural Fibre	10
2.3 Chemical treatment on natural fibre	11
2.3.1 Alkaline treatment	11
2.3.2 Sodium Chlorite treatment	11
2.3.3 Silane treatment	12
2.4 Polyethylene	12
2.5 Biocomposite (natural fiber plus polymer)	13
2.5.1 Natural fibre/polymer composite	14
2.5.2 Mechanical Properties	15
2.5.3 Water absorption	16
<b>CHAPTER 3 MATERIAL AND METHODOLOGY</b>	<b>17</b>
3.1 Introduction	17

3.2	Material	18
3.3	Preparation of cellulose fibers	18
3.3.1	Lignin removal by using NaClO <sub>2</sub>	19
3.3.2	Hemicellulose removal by using KOH	19
3.3.3	Cellulose production	20
3.4	Untreated OPEFB fibre preparation	20
3.5	Fabrication of biocomposites	20
3.5.1	Extrusion process	20
3.5.2	Biocomposite sheets production	22
3.5.3	Biocomposite test specimens production	22
3.6	Analysis	23
3.6.1	Tensile strength testing	23
3.6.2	Scanning Electron Microscopy (SEM) analysis	24
3.6.3	Water absorption testing	24
<b>CHAPTER 4 RESULTS AND DISCUSSION</b>		<b>26</b>
4.1	Introduction	26
4.2	Mechanical Properties	26
4.3	Water absorption analysis	28
4.4	Morphological analysis	29
<b>CHAPTER 5 CONCLUSION AND RECOMMENDATION</b>		<b>31</b>
5.1	Conclusion	31
5.2	Recommendation	31
<b>REFERENCES</b>		<b>33</b>



**LIST OF TABLES**

<b>Table No.</b>	<b>Title</b>	<b>Page</b>
<b>Table 2.1:</b>	Oil palm biomass chemical composition	8
<b>Table 2.2:</b>	Mechanical properties of Fibres	9
<b>Table 2.3:</b>	Morphological of Oil Palm fiber with comparison	9
<b>Table 2.4:</b>	Summary of natural fiber/polymer biocomposite	14
<b>Table 4.1:</b>	Tensile strength table	27
<b>Table 4.2:</b>	Result for percentage of water absorption	28

## LIST OF FIGURES

<b>Figure No.</b>	<b>Title</b>	<b>Page</b>
<b>Figure 2.1:</b>	Type of natural fibres (plant fibre)	5
<b>Figure 2.2:</b>	Oil Palm Empty Fruit Bunch (OPEFB) fibre	6
<b>Figure 2.3:</b>	Chemical compositure and moisture content	7
<b>Figure 2.4:</b>	Scanning Electron Micrograph of EFB fiber bundles (Mohanty et al., 2005)	10
<b>Figure 2.5:</b>	Structure of a) low-density polyethylene (LDPE), b) linear low-density polyethylene (LLDPE) and c) high-density polyethylene (HDPE) types.	13
<b>Figure 2.6:</b>	Classification of biobased composites (Mohanty, Misra, & Drzal, 2005).	14
<b>Figure 3.1:</b>	Flow chart for overall process of this research	18
<b>Figure 3.2:</b>	OPEFB fibre in sodium chlorite solution	19
<b>Figure 3.3:</b>	Treated fibre in a seal bag	20
<b>Figure 3.4:</b>	Extrusion machine	21
<b>Figure 3.5:</b>	Rod shape sample of biocomposite	21
<b>Figure 3.6:</b>	Hot and cold molding press	22
<b>Figure 3.7a)</b>	Sample for tensile testing b) Sample for water absorption analysis	23
<b>Figure 3.8:</b>	Tensile strength testing machine.	24
<b>Figure 4.1:</b>	Graph of tensile strength versus type of fibre	27
<b>Figure 4.2:</b>	Surface image of untreated fibre at (a) x300 and (b) x600 magnification	29
<b>Figure 4.3:</b>	Surface images of treated fibre at (a) x300 and (b) x600 magnification	30

**LIST OF SYMBOLS**

%	percent
cm	centimeter
mL	mililiter
°C	degree celcius
rpm	revolution per minute
W <sub>o</sub>	initial weight
wt%	weight percent

**LIST OF ABBREVIATIONS**

KOH	Potassium hydroxide
NaClO <sub>2</sub>	Sodium chlorite
NaOH	Sodium hydroxide
OPEFB	Oil palm empty fruit bunch
PE	Polyethylene
PHA	Polyhydroxyalkanoate
PLA	Polylactic acid
PP	Polypropylene
SEM	Scanning Electron Microscopy