

**PHYSICAL AND MECHANICAL PROPERTIES OF POLYPROPYLENE  
COMPOSITE WITH RESAK SAWDUST (60 MESH SIZE) AS FILLER**

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## TABLE OF CONTENTS

TITLE	PAGES NO
PROJECT TITLE.....	i
APPROVAL SHEET.....	ii
ACKNOWLEDGEMENT.....	iii
LIST OF FIGURE.....	iv
LIST OF TABLE.....	v
LIST OF PLATES.....	vi
ABSTRACT.....	vii
ABSTRAK.....	viii
CHAPTER	
1. INTRODUCTION.....	1
1. Justification.....	1
2. Objectives.....	2
2. LITERATURE VIEW.....	3
1. Resak.....	3
2. Thermoplastic.....	8
3. Polypropylene.....	9
3. MATERIAL AND METHODS.....	12
4. RESULT AND DISCUSSION.....	18
6. CONCLUSION.....	25
7. REFERENCES.....	26
8. APPENDIX.....	27
9. VITA.....	38

## LIST OF FIGURES

Figure	Page
2.1 Polypropylene structure.....	9
3.1 Chart for Process of Thermoplastic making.....	13
3.2 Tensile testing.....	14
3.3 Bending Testing.....	16
4.1 MOE for bending testing.....	19
4.2 MOR for bending testing.....	19
4.3 Result of Water absorption.....	21
4.4 Result for tensile.....	23

**THE STRENGTH PROPERTIES OF THERMOPLASTIC FROM RESAK  
SPECIES (60 MESH) INCLUDING THICKNESS SWELLING, WATER  
ABSORPTION, BENDING AND TENSILE**

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**ABSTRACT**

We were studied about the thickness swelling, water absorption, bending and tensile properties of Thermoplastic from Resak species. If the sample has low density its mean it has a higher of water absorption. It is also similar for the thickness swelling. From that we can see that the density can be as the barriers for the water absorption and also thickness swelling for the sample. For the bending, density is the important character that we must know. Not just that, it is also important for tensile. The density will give effect to the bending and also tensile. From that I hoped the data that I have can help me to see the properties of thermoplastic from Resak species as a medium in parts and places which are exposed to moisture.