

SPECIFIC GRAVITY OF DURIO (DURIO SPP) ACCORDING TO
HEIGHT LEVEL AND DISTANCE FROM PITH

BAHARUDIN BIN HJ. YAACOB

DIPLOMA IN WOOD INDUSTRY
UNIVERSITI TEKNOLOGI MARA

2002

ACKNOWLEDGEMENT

First of all, I would like to thank the Almighty Allah S.W.T. for his blessing and favor in guiding me towards the completion of this final project paper.

To my respectful advisor Professor Madya. Abdul Jalil Bin Ahmad, appreciation for his comment, suggestion, advice and understanding towards in this final project and they lecturers of Diploma In Wood Industry for their information in Wood Industry.

I would also like to offer my special thanks to Librarian at UiTM Jengka and for helping me to get some information to prepare for my final project paper.

Also special thanks to all my beloved friends for their continuous support and helping me to finish this final project paper.

Finally I also extent my gratitude to my family. I believe without their help, I would not be able finish my final project.

I will never forget individuals always give support to me. May Allah S.W.T. bless you. Thank you.

TABLE OF CONTENTS

	Page
APPROVAL SHEET.....	i
DEDICATION.....	ii
ACKNOWLEDGMENT.....	iv
LIST OF TABLES.....	vii
LIST OF FIGURE.....	viii
LIST OF PLATES.....	ix
LIST OF ABBREVIATIONS.....	x
ABSTRACT.....	xi
ABSTRAK.....	xii
 CHAPTER	
1.0 INTRODUCTION.....	1
1.1 Introduction To Durio And Specific Gravity.....	1
1.2 Objective.....	2
2.0 LITERATURE REVIEW.....	3
2.1 General Characteristic.....	3
2.2 Physical Properties of Durio.....	3
2.3 Uses.....	4
2.4 Mechanical Properties of Durio.....	4
2.5 Importance of Specific Gravity.....	4
3.0 MATERIAL AND METHODS.....	6
3.1 Material Preparation.....	6
3.2 Specific Gravity Measurement.....	7
4.0 RESULTS AND DISCUSSION.....	12
4.1 Specific Gravity Variation in Durio.....	12
4.2 Effect of Height Level.....	14
4.3 Effect of Distance From The Pith.....	16
4.4 Specific Gravity Value of Each Disc.....	18

5.0 CONCLUSION..... 21

REFERENCES..... 22

APPENDICES..... 23

VITA..... 30

ABSTRACT

SPECIFIC GRAVITY OF DURIO (*Durio spp*) ACCORDING TO HEIGHT LEVEL AND DISTANCE FROM PITH

BY

BAHARUDIN BIN HJ. YAACOB

SEPT 2002

This research on specific gravity of Durio is done base on three different parts of the tree. That is base (DBH), middle (50% of clear bold) and top (80% from DBH). This Durio is originally from UiTM, Jengka, Pahang Forest Reserve. In this research, the determination of S.G at different height level was done. Beside that the effect of different distance from pith to S.G were also studied. The results obtained are cause by the different environments, factor anatomical properties and physical properties of the tree. Thus, a more detail research on Durio must be done in order to commercialize it to help boost up the wood industry in the future.