

**ESTIMATION OF CRUDE PALM OIL PRICE USING NEWTON
DIVIDED DIFFERENCE METHOD AND LAGRANGE
INTERPOLATION METHOD**

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ABSTRACT

Malaysia's economic growth has been greatly influenced by the agricultural sector, especially the cultivation of crude palm oil. Several studies have been done to prove that this sector brings many benefits to the producing country. The increase or decrease in the price of crude palm oil should be predicted in the future so that this product remains the main source of the country's economy and is able to meet the demand of foreign countries and remain the largest producer in Asian countries. The interpolation method is widely used to predict any values because it can convert a complicated function into a simpler one so that the function is easier to evaluate. To solve the problem, Newton Divided Difference method and Lagrange Interpolation method were used to predict the price of crude palm oil in the next 5 years. Based on certain factors, the results of the study prove that both methods can be used to predict the price of crude palm oil despite getting large error results due to the current economic situation.

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TABLE OF CONTENTS

DECLARATION BY THE SUPERVISOR.....	i
DECLARATION BY THE CANDIDATE.....	ii
ABSTRACT.....	iii
ACKNOWLEDGEMENT.....	iv
LIST OF TABLE.....	viii
LIST OF FIGURE.....	ix
INTRODUCTION OF RESEARCH.....	1
1.1 Introduction.....	1
1.2 Background Study.....	1
1.3 Problem Statement.....	2
1.4 Objectives.....	3
1.5 Significance of the Project.....	3
1.6 Scope of The Project.....	4
1.7 Project Benefits.....	5
1.9 Organization of Report.....	7
LITERATURE REVIEW.....	8
2.1 Introduction.....	8
2.2 Literature Review.....	8
2.3 Conclusion.....	12
METHODOLOGY.....	13

3.1	Introduction.....	13
3.2	Research step.....	14
3.2.1	Step of Newton Divided Difference method	14
3.2.2	Implementation of Lagrange Interpolation method	15
3.3	Conclusion	16
IMPLEMENTATION.....		17
4.1	Introduction.....	17
4.2	Implementation of Method	18
4.3	Implementation Of Newton Divided Difference Method.....	19
4.3.1	Estimated Prices of Crude Palm Oil For Year 2021 And 2022 Using Newton Divided Difference Method	21
4.4	Implementation Of Lagrange Interpolation Method.....	22
4.4.1	Estimated Prices of Crude Palm Oil for Year 2021 And Year 2022 Using Lagrange Interpolation Method	26
4.5	Error Calculation and Analysis.....	27
4.6	Conclusion	28
RESULT AND DISCUSSION.....		29
5.1	Introduction.....	29
5.2	Results for Newton Divided Difference method	29
5.3	Results for Lagrange Interpolation method	30
5.4	Error Analysis	30
5.5	Discussion.....	32