

**NEW SCALING OF BRACKETING METHOD FOR  
FOURTH AND SIXTH SECTION**

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## DECLARATION BY CANDIDATE

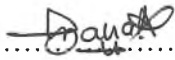
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## ABSTRACT

Numerical analysis is widely used in mathematical area for solving root of nonlinear functions. Bracketing Method is the easiest numerical method for root finding and some of the methods are Fourth Section and Sixth Section. In this research, Fourth and Sixth Section are modified by adding a scalar in order to solve for the nonlinear functions. These nonlinear functions are being analysed for their efficiency in terms of number of iteration and CPU times by using the methods mentioned above. The approximation roots for these methods are compared with the actual roots to acquire for their accuracy.

## TABLE OF CONTENT

	<b>Page</b>
DECLARATION BY THE SUPERVISOR	i
DECLARATION BY THE CANDIDATE	ii
ABSTRACT	iii
ACKNOWLEDGEMENT	iv
LIST OF FIGURE	ix
LIST OF TABLE	x
CHAPTER 1 INTRODUCTION OF RESEARCH	
1.1 Introduction	1
1.2 Background of Study	1
1.3 Literature Review	3
1.4 Problem Statements	5
1.5 Objectives	7
1.6 Significance of Project	7
1.7 Scope of Projects	8
1.8 Project Benefits	9
1.9 Organization of Report	9
CHAPTER 2 METHODOLOGY	
2.1 Introduction	10
2.2 Definition of Terms and Concepts	10
2.3 Fundamental of Bracketing Method	12

2.3.1	Bisection Method	12
2.3.2	N-th Section Methods	14
2.3.3	Fourth and Sixth Section Method with Scaling	16
2.4	Research Steps	19
2.5	Test Functions	22
2.5.1	Trigonometric Functions	23
2.5.2	Logarithmic Functions	25
2.5.3	Cubic Polynomial Functions	27
2.5.4	Exponential Functions	29
2.6	Conclusion	31
CHAPTER 3 IMPLEMENTATION		
3.1	Introduction	32
3.2	Preliminary Study	32
3.3	Fundamental of Bracketing Method	33
3.3.1	Implementation of Fourth Section Algorithm	33
3.3.2	Implementation of Fourth Section with Scaling Algorithm	36
3.3.3	Implementation of Sixth Section Algorithm	42
3.3.4	Implementation of Sixth Section with Scaling Algorithm	45
3.4	Error Calculation	55
3.5	Conclusion	56
CHAPTER 4 NUMERICAL ANALYSIS AND DISCUSSION		
4.1	Introduction	57
4.2	Numerical Result	57