# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ratification Sheet</td>
<td>i</td>
</tr>
<tr>
<td>Curriculum Vitae</td>
<td>ii</td>
</tr>
<tr>
<td>Abstract</td>
<td>iii</td>
</tr>
<tr>
<td>Preface</td>
<td>iv</td>
</tr>
<tr>
<td>Table of Contents</td>
<td>vi</td>
</tr>
<tr>
<td>List of Figure</td>
<td>ix</td>
</tr>
<tr>
<td>List of Table</td>
<td>xi</td>
</tr>
<tr>
<td>List of Appendices</td>
<td>xiii</td>
</tr>
</tbody>
</table>

## CHAPTER I INTRODUCTION

1.1 Background 1
1.2 Problem Identification 4
1.3 Problem Restriction 5
1.4 Problem Formulation 5
1.5 Research Objective 5
1.6 Research Benefit 5
1.7 Operational Definition 6

## CHAPTER II RELATED LITERATURE

2.1 The Theoretical Framework
   2.1.1 Learning Mathematics 8
   2.1.2 Teaching Mathematics 9
   2.1.3 Learning Activity 11
   2.1.4 Models of Teaching 12
   2.1.5 Problem Based Learning Model 15
2.1.6 Learning Theories that Support PBL 18
2.1.7 Scientific Approach 22
2.1.8 Problem Based Learning Model with Scientific Approach 25
2.1.9 Creativity Thinking Ability 25
2.1.10 The Material of Linear Equation with Two Variables (SLETV) 29

2.2 The Relevant Researches 32
2.3 Conceptual Framework 33
2.4 Hypothesis of Action 35

CHAPTER III RESEARCH METHODS
3.1 Type of Research 36
3.2 Research Time and Location 36
3.3 Subject and Object of Research 36
3.4 Design of Research 36
3.5 Procedure of Research 37
3.6 Tool Data Collectors 42
3.7 Data Analysis Technique 48
3.8 Indicator of Success 50
CHAPTER IV RESEARCH RESULT AND DISCUSSION

4.1. Description of Research Result 51

4.1.1. Initial Study 51

4.1.2. Study of Cycle 1 55

4.1.2.1. Result Description of MCTA Test 1 55

4.1.2.2. Result Description of Teacher’s Observation 1 61

4.1.2.3. Result Description of Student’s Observation 1 62

4.1.1.4. Reflection 1 64

4.1.3. Study of Cycle II 66

4.1.3.1. Result Description of MCTA Test 2 66

4.1.3.2. Result Description of Teacher’s Observation 2 74

4.1.2.3. Result Description of Student’s Observation 2 75

4.1.1.4. Reflection 2 77

4.2. Discussion 79

4.3. Research Finding 85

CHAPTER V CONCLUSIONS AND SUGGESTIONS

5.1. Conclusion 86

5.2. Suggestions 87