

## TABLE OF CONTENTS

|   |             |
|---|-------------|
| <b>APPROVAL SHEET</b> .....                   | <b>i</b>    |
| <b>ORIGINALITY STATEMENT SHEET</b> .....      | <b>ii</b>   |
| <b>BIOGRAPHY</b> .....                        | <b>.iii</b> |
| <b>ABSTRACT</b> .....                         | <b>iv</b>   |
| <b>PREFACE</b> .....                          | <b>v</b>    |
| <b>PUBLICATION APPROVAL SHEET</b> .....       | <b>vi</b>   |
| <b>TABLE OF CONTENTS</b> .....                | <b>x</b>    |
| <b>LIST OF TABLES</b> .....                   | <b>xii</b>  |
| <b>LIST OF FIGURES</b> .....                  | <b>xiii</b> |
| <b>LIST OF APPENDIX</b> .....                 | <b>xiii</b> |
| <b>CHAPTER I INTRODUCTION</b> .....           | <b>1</b>    |
| I.1 Background .....                          | 1           |
| I.2 Problem Identification.....               | 5           |
| I.3 Problem Limitation.....                   | 5           |
| I.4 Problem Formulation.....                  | 6           |
| I.5 Research Objective.....                   | 6           |
| I.6 Research Benefit.....                     | 6           |
| I.7 Operational Definition.....               | 6           |
| <b>CHAPTER II LITERATURE REVIEW</b> .....     | <b>7</b>    |
| 2.1 Theoretical Framework .....               | 7           |
| 2.1.1 Critical Thinking Ability .....         | 7           |
| 2.1.2 Problem Based Learning .....            | 11          |
| 2.1.3 Meta Synthesis.....                     | 15          |
| 2.3 Relevant Research .....                   | 16          |
| 2.4 Conceptual Framework.....                 | 20          |
| <b>CHAPTER III RESEARCH METHODOLOGY</b> ..... | <b>22</b>   |
| 3.1 Location and Time of Research.....        | 22          |
| 3.2 Type of Research .....                    | 22          |
| 3.3 Subject and Object of Research.....       | 22          |
| 3.4 Instrument of Research.....               | 23          |

|   |           |
|---|-----------|
| 3.5 Design of Research.....   | 23        |
| 3.6 Data collection techniques.....   | 23        |
| 3.7 Procedure of Research.....  | 23        |
| 3.8 Data Analysis Technique.....  | 25        |
| <b>CHAPTER IV RESULT AND DISCUSSION .....</b>   | <b>27</b> |
| 4.1. Research Result .....  | 27        |
| 4.1.1. Data Reduction .....   | 27        |
| 4.1.2 Data Exposure Stage.....  | 28        |
| 4.1.3 Meta-synthesis of the Effect of Problem Based Learning Model on<br>Critical Thinking Ability in Mathematics Learning..... | 34        |
| 4.2 Discussion.....   | 37        |
| <b>CHAPTER V CONCLUSION AND SUGGESTION .....</b>  | <b>40</b> |
| 5.1 Conclusion .....  | 40        |
| 5.2 Suggestion .....  | 41        |
| <b>REFERENCES.....</b>  | <b>42</b> |



## LIST OF TABLES

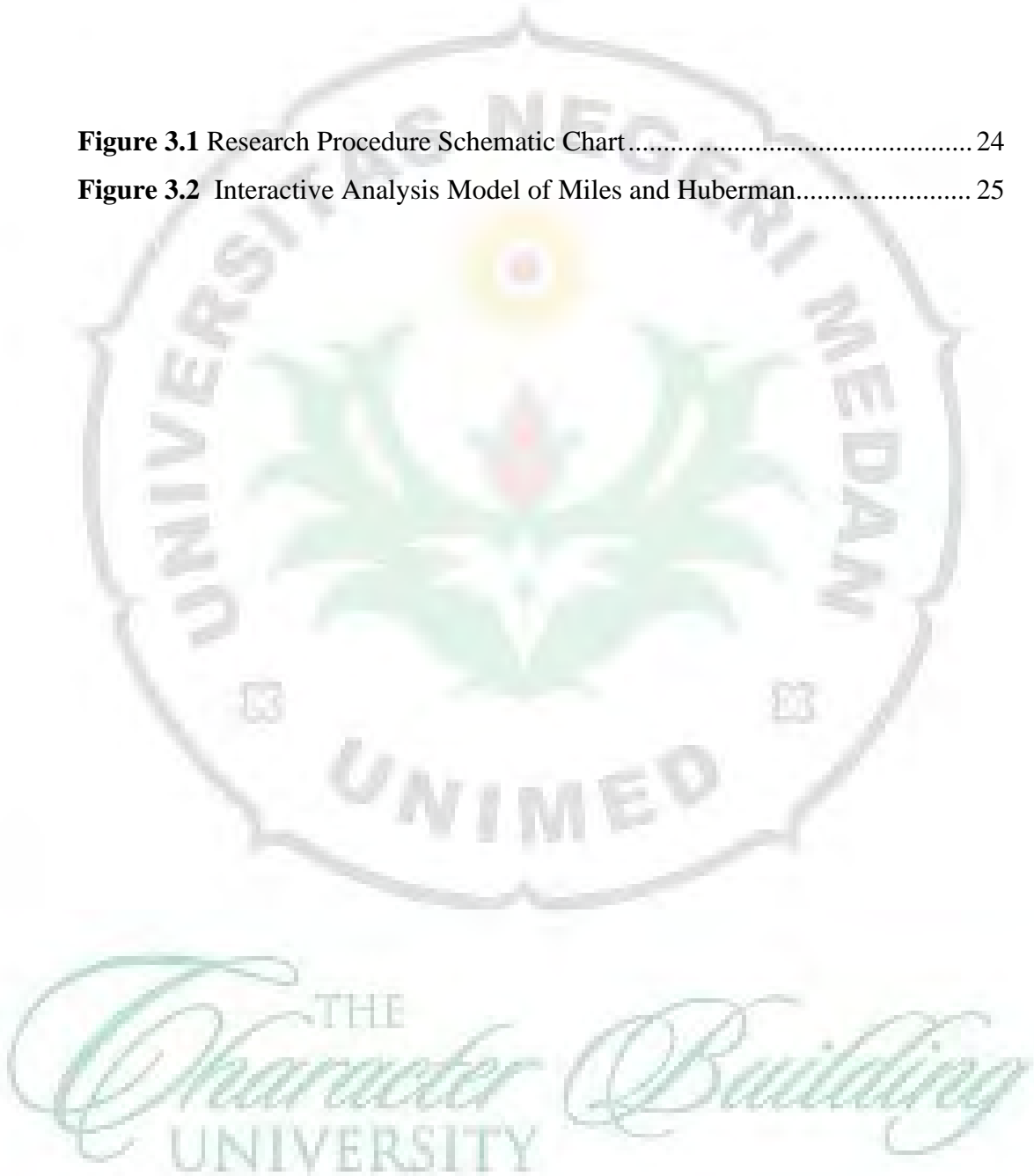
|   |    |
|---|----|
| <b>Table 2.1</b> Stages of Systematic Review Research.....  | 15 |
| <b>Table 4.1</b> Description of Research Article .....  | 28 |
| <b>Table 4.2</b> Description of Research Article Source 1 .....                                       | 28 |
| <b>Table 4.3</b> Description of Research Article Source 2 .....                                       | 29 |
| <b>Table 4.4</b> Description of Research Article Source 3 .....                                       | 31 |
| <b>Table 4.5</b> Description of Research Article Source 4 .....                                       | 32 |
| <b>Table 4.6</b> Description of Research Article Source 5 .....                                       | 33 |
| <b>Table 4.7</b> Achievement of Indicators of Students' Mathematical<br>Critical Thinking Skill ..... | 37 |



## LIST OF FIGURES

**Figure 3.1** Research Procedure Schematic Chart..... 24

**Figure 3.2** Interactive Analysis Model of Miles and Huberman..... 25



## LIST OF APPENDIX

|   |    |
|---|----|
| <b>Appendix 1.</b> Statement Letter of Skripsi Supervisor ..... | 48 |
| <b>Appendix 2.</b> Letter of Research .....                     | 49 |
| <b>Appendix 3.</b> Letter of Research Finished .....            | 50 |

