

LIST OF CONTENT

APPROVAL SHEET	i
BIOGRAPHY	ii
ABSTRACT	iii
PREFACE	iv
LIST OF CONTENT	vi
LIST OF TABLE	ix
LIST OF FIGURES	x
LIST OF APPENDIX	xi
LIST OF TABLES	ix
CHAPERT I INTRODUCTION	1
1.1. Background	1
1.2. Problem Identification	9
1.3. Problem Limitation.....	9
1.4. Problem Formulation.....	10
1.5. Research Objective	10
1.6. Benefits of Research.....	10
1.7. Operational Definition.....	11
CHAPTER II LITERATURE REVIEW	12
2.1. Study and Learning Mathematics	12
2.2. Mathematical Problem-Solving Ability	14
2.3. Mathematical Initial Ability	17
2.4. Effectiveness Mathematics Learning	18
2.5. Realistic Mathematic Education (RME) Approach.....	19
2.5.1. Understanding Realistic Mathematic Education (RME).....	19
2.5.2. Realistic Mathematic Education (RME) Steps	21
2.5.3. Advantages and Disadvantages of RME.....	22
2.6. Learning Media	23
2.7. Learning Materials	24
2.8. Relevant Research	28
2.9. Conceptual Framework	29

2.10. Research Hypothesis	29
CHAPTER III RESEARCH METHODOLOGY	30
3.1. Location and Time of Research.....	30
3.2. Kind of Research	30
3.3. Population and Sample	30
3.4. Design and Variable of Research	31
3.5. Research Instrument	31
3.5.1. Instrument Test.....	32
3.5.2. Students Activity Observation	34
3.5.3. Student Response Questionnaire.....	35
3.5.4. Lesson Plan	35
3.5.5. Learning Materials	35
3.5.6. PowerPoint	35
3.5.7. Mathematical Initial Ability.....	35
3.6. Data Collection Techniques	38
3.6.1. Mathematical Initial Ability Test (MIA).....	38
3.6.2. Post-test.....	39
3.7. Research Procedure	39
3.7.1. Preparation	39
3.7.2. Implementation	39
3.7.3. Data Analysis	40
3.7.4. Withdrawal of Conclusion	40
3.8. Data Analysis Techniques	41
3.8.1. Descriptive Statistics Analysis.....	41
3.8.2. Inferential Statistic Analysis	42
CHAPTER IV RESULT AND DISCUSSION.....	47
4.1. Research Result	47
4.1.1. Score of MIA Test for Control and Experiment Class.....	48
4.1.2. The Learning Process with RME Approach	48
4.1.3. Score Posttest Control and Experiment Class.....	50
4.1.4. Grouping Students Based on Students' MIA.....	51

4.1.5.	Validity.....	51
4.1.6.	Reliability.....	53
4.1.7.	Normality Test	53
4.1.8.	Homogeneity Test.....	55
4.1.9.	Hypothesis Test.....	56
4.1.10.	Description of Mathematics Problem-Solving Ability Level Based on MIA Test Control and Experiment Class	58
4.1.11.	Description of Mathematics Problem-Solving Ability Level Based on Post-Test Control and Experiment Class	59
4.1.12.	Analysis of Learning Completeness by Classical	59
4.1.13.	Students Activity Observation	60
4.1.14.	Students Response Questionnaire	61
4.2.	Research Discussion.....	62
4.2.1.	Students' Mathematics Problem-Solving Ability	63
4.2.2.	Students Activity.....	64
4.2.3.	Students Response.....	64
4.2.4.	Time in Learning.....	65
4.2.5.	Students' Mathematical Initial Ability (MIA)	65
4.2.6.	Interaction Between Learning Factors and Students' MIA on Students' Mathematical Problem-Solving Ability.....	66
CHAPTER V CONCLUSION AND SUGGESTION.....		68
5.1.	Conclusion.....	68
5.2.	Suggestion	68
REFERENCES.....		70

