

LIST OF CONTENTS

Approval Sheet	i
Biography	ii
Abstract	iii
Preface	iv
List of Content	vii
List of Tables	x
List of Figure	xii
List of Appendix	xiii

CHAPTER I INTRODUCTION

1.1 Background	1
1.2 The Problem Identification	5
1.3 The Problem Limitation	5
1.4 The Problem Formulation	5
1.5 Research Objectives	5
1.6 Research Benefit	6
1.7 The Operational Definitions	6

CHAPTER II LITERATURE STUDY

2.1 Theoretical Framework	8
2.1.1 Mathematics Education and Learning	8
2.1.2 Understanding of Thinking	9
2.1.3 Critical Thinking Ability	9
2.1.4 Realistic Mathematics Approach	16
2.1.4.1 Principle of the Realistic Mathematics Approach	18
2.1.4.2 Characteristics of The Realistic Mathematics Approach	19

2.1.4.3 Steps of the Realistic Mathematical Approach	21
2.1.4.4 Advantage of the Realistic Mathematical Approach	23
2.1.4.5 Realistic Mathematical in Improving Students Critical Thinking Ability	24
2.1.5 ICT (Information and Communication Technology)	25
2.1.6 Learning Effectiveness	26
2.1.7 Learning Materials	27
2.1.7.1 Statistic (Size of centered data frequency distribution)	27
2.1.7.2 Size Distribution of Data	28
2.1.8 Relevant Research	29
2.1.9 Conceptual Framework	31
2.1.10 Action Hypothesis	31
CHAPTER III RESEARCH METHOD	
3.1 Types of Research	32
3.2 Location and Time of Research	32
3.3 Subject and Object of Research	32
3.3.1 Subject of Research	32
3.3.2 Object of Research	32
3.4 Research Procedures	32
3.4.1 Cycle I	33
3.4.1.1 Problem I	33
3.4.1.2 Action Plan Stage I	34
3.4.1.3 Implementation of Action	34
3.4.1.4 Observation I	36
3.4.1.5 Evaluation I	36
3.4.1.6 Reflection I	36
3.5 Instruments and Data Collection Techniques	38
3.5.1 Test of Critical Thinking Ability	38
3.5.2 Observation Sheet the Ability of Teacher to Manage Learning	40
3.5.3 Documentation	40
3.6 Data Analysis Technique	40

3.6.1 Data Reduction	40
3.6.2 Data Exposure	40
3.6.3 Conclusion of Data	41
3.6.4 Success Criteria	45
CHAPTER IV RESULT AND DISCUSSION	
4.1 Result of Research	46
4.1.1. Implementation and Result of Cycle 1	46
4.1.1.1. Problem 1	46
4.1.1.2. Action Planning Stage 1	46
4.1.1.3. Implementing 1	46
4.1.1.4. Observation 1	49
4.1.1.5. Evaluation 1	31
4.1.1.6. Reflection 1	57
4.1.2. Implementation and Result of Cycle 2	58
4.1.2.1. Problem 2	58
4.1.2.2. Action Planning Stage 2	59
4.1.2.3. Implementing 2	59
4.1.2.4. Observation 2	61
4.1.2.5. Evaluation 2	65
4.1.2.6. Reflection 2	71
4.2. Discussion of Research Result	72
CHAPTER V CONCLUSION AND SUGGESTION	
5.1. Conclusion	75
5.2. Suggestion	75
REFERENCES	77
APPENDIX	81