

TABLE OF CONTENTS

Content	Page
Approval Sheet	i
Biography	ii
Abstract	iii
Preface	iv
Table of Contents	vi
List of Table	ix
List of Figure	x
List of Appendix	xi
CHAPTER I INTRODUCTION	
1.1 Background	1
1.2 Problem Identification	8
1.3 Problem Limitation	9
1.4 Problem Formulation	9
1.5 Research Objective	9
1.6 Research Benefit	10
1.7 Operational Definitions	10
CHAPTER II LITERATURE REVIEW	
2.1 Theoretical Framework	11
2.1.1 Learning Definition	11
2.1.2 Nature of Communication	13
2.1.3 Mathematical Communication	15
2.1.4 Mathematical Communication Ability	17
2.2 Cooperative Learning	23
2.2.1 Definition and Characteristic of Cooperative Learning Model	23

2.2.2 Cooperative Learning Model Jigsaw Type	26
2.2.3 Cooperative Learning Model Snowball Throwing Type	29
2.2.4 Comparison of Cooperative Learning Model Jigsaw and Snowball Throwing	32
2.3 Relevant Research	37
2.4 Conceptual Framework	38
2.5 Hypothesis	40

CHAPTER III RESEARCH METHODOLOGY

3.1 Location And Time of Research	41
3.2 Population and Sample of Research	41
3.3 Variable of Research	41
3.4 Type and Design of Research	42
3.5 Instrument of Research	43
3.5.1 Mathematical Communication Ability Test	43
3.5.2 Mathematical Communication Scoring	44
3.6 Procedure of Research	47
3.6.1 Preparation of Phase	47
3.6.2 Implementation Phase	47
3.6.3 Last Phases	47
3.7 Instrument Trial	49
3.8 Data Analysis Technique	49
3.8.1 Descriptive Statistic	49
3.8.2 Normality Test	49
3.8.3 Homogeneity Test	50
3.8.4 Hypothesis Test	50

CHAPTER IV RESULT AND DISCUSSION

4.1 The Result of Research	52
4.1.1 The Result Paper of Students' Mathematical Communication Ability Test	52

4.1.2 The Score of Mathematical Communication Ability Test	54
4.1.3 Description of Students' Mathematical Communication Ability	55
4.1.3 Normality Test	56
4.1.5 Homogeneity Test	58
4.1.6 Hypothesis Test	59
4.2 Discussion	60
CHAPTER V CONCLUSION AND SUGGESTION	
5.1 Conclusion	63
5.2 Suggestion	63
REFERENCES	64



THE
Character Building
UNIVERSITY