TABLE OF CONTENTS

Ratification Sheet  i
Biography ii
Abstract iii
Preface iv
Table of Content vi
List of Figure ix
List of Table x
List of Appendix xi

CHAPTER I INTRODUCTION

1.1 Background 1
1.2 Problems Identification 3
1.3 Problems Limitation 4
1.4 Problems Formulation 4
1.5 Research Objective 4
1.6 Benefits of Research 5
1.7 Operational Definition 5

CHAPTER II LITERATURE REVIEW

2.1 Framework Theoretical
2.1.1 Definition of Learning 6
2.1.2 Principle of Learning and Teaching 6
2.1.3 Model's of Teaching 7
2.1.3.1 Direct Instruction Model 8
2.1.3.2 Cooperative learning 8
2.1.3.2.1 Definition of Cooperative Learning 8
2.1.3.2.2 Characteristics of Cooperative Learning 11
2.1.3.2.3 Cooperative Learning Objectives 11
2.1.3.2.4 Advantages and disadvantages of cooperative learning 13
2.1.3.3 Cooperative Learning Model Type of Jigsaw 16
2.1.4 Mind Map 20
2.1.5 Learning Outcomes 21
2.1.5.1 Cognitive domain 21
2.1.5.2. Affective Domain 23
2.1.5.3. Psychomotor Domain 24
2.2 Subject Matter 25
2.3 Journal Research of Cooperative Learning Model Type of Jigsaw 35
2.4 Conceptual Framework 38
2.5 Research Hypothesis 39

CHAPTER III RESEARCH METHOD

3.1 Location and Time Research 40
3.1.1 Research Location 40
3.1.2 Research Time 40
3.2 Population and Sample 40
3.2.1 Population 40
3.2.2 Sample 40
3.3 Research Variables 40
3.4 Type and Research Design 41
3.5 Research Procedure 41
3.6 Tools and Data Collection 44
3.6.1 Research Instrument 44
3.7 Content Validity 45
3.8 Data Analysis Techniques 45
3.8.1 Reliability Test 45
3.8.2 Determining the value of the average and standard deviation 46
3.8.3 Normality Test 47
3.8.4 Homogenitas Test 48
3.8.5 Calculation of Gain Scores Normalized 48
3.8.6 Hypothesis Test 50

CHAPTER IV. RESEARCH RESULT AND DISCUSSION

4.1 Research Result 54
   4.1.1 Pre-Test Score of Student 54
4.1.2 Data Analysis of Pre-Test
   4.1.2.1 Normality Test of Pre-Test Data
   4.1.2.2 Homogeneity test of Pre-Test
   4.1.2.3 Hypothesis test of pre test
4.1.3 Post Test Value of Student
   4.1.3.1 Data Analysis of Post-Test
      4.1.3.1.1 Normality test of post test
      4.1.3.1.2 Homogeneity test of post test
      4.1.3.1.3 Normalized Gain Experiment Class and Control Class
      4.1.3.1.4 Hypothesis Test of Post-Test
4.2 Research Findings
4.3 Discussion

CHAPTER V. CONCLUSION AND SUGGESTION
5.1 Conclusion
5.2 Suggestion
REFERENCES
APPENDIX