# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ratification Sheet</td>
</tr>
<tr>
<td>Biography</td>
</tr>
<tr>
<td>Abstract</td>
</tr>
<tr>
<td>Preface</td>
</tr>
<tr>
<td>Table of Content</td>
</tr>
<tr>
<td>List of Figure</td>
</tr>
<tr>
<td>List of Table</td>
</tr>
<tr>
<td>List of Appendix</td>
</tr>
</tbody>
</table>

## CHAPTER I INTRODUCTION

1.1. Background 1
1.2. Problem Identification 4
1.3. Problem Limitation 4
1.4. Problem Formulation 5
1.2. Research Objective 5
1.6. Research Benefit 6
1.7. Operational Definition 6

## CHAPTER II LITERATURE REVIEW

2.1. Framework Theoretical 7
2.1.1. Definition of Learning 7
2.1.2. Definition of Learning Outcome 8
2.1.3. Definition of Learning Model 16
2.1.3.1. Cooperative Learning Model 17
2.1.3.2. Syntax Cooperative Learning Model 19
2.1.3.3. Cooperative Learning Model GI 20
2.1.4. Definition Conventional Learning 23
2.2. Learning Materials 24
2.3. Group Investigation Journal 34
2.4. The conceptual framework 37
2.5. Hypothesis of Research 38

## CHAPTER III RESEARCH METHOD

3.1. Research Location 39
3.2. Population and Sample Research 39
3.2.1. Population of Research 39
3.2.2. Sample of Research 39
3.3. Research Variable 39
3.3.1. Independent Variable 39
3.3.2. Dependent Variable 39
3.4. Type and Research Design Research Instrument 39
3.4.1. Type of Research 39
3.4.2. Design of Research 40
3.5. Research Procedure 40
3.6. Data Analysis Techniques 42
3.6.1. Determine Average Value 42
3.6.2. Determine The Standard Deviation 42
3.6.3. Normality Test 42
3.6.4. Homogeneity Test 43
3.6.5. Hypothesis Test 43
3.7. Research Instrument 46

CHAPTER IV RESEARCH RESULT AND DISCUSSION
4.1. Research Result 49
4.1.1. Pre-test Score and post test of Students 49
4.1.2. Data Analysis of Post-test 51
4.1.2.1 Normality Test of pre-test data 51
4.1.2.2 Homogeneity test of Pre-test 51
4.1.2.3 Hypothesis Test of Pre-test 52
4.1.3 Post Test Value of students 52
4.1.4 Data analysis of Post-test 54
4.1.4.1 Normality Test of Post-test Data 54
4.1.4.2 Homogeneity test of post-test 54
4.1.4.3 Hypothesis test of Post-test 55
4.1.5 Outcomes Learning in Higher Cognitive 55
4.2. Research Findings 56
4.3. Discussion 57

CHAPTER IV CONCLUSION AND SUGGESTION
5.1 Conclusion 61
5.2 Suggestion 62

REFERENCES 63
APPENDIX 65