# TABLE OF CONTENT

<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>Acknowledgement</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 3  
1.3 Research Scope 4  
1.4 Research Question 4  
1.5 Objective 4  
1.6 Significance of Study 5

## CHAPTER II LITERATURE REVIEW
2.1 Definition of Learning 6  
2.2 Definition of Science 7  
2.3 Learning Outcome 9  
2.4 Learning Activity 24  
2.5 CLIS model (*Children Learning in Science*) 12  
2.5.1 The Understanding of CLIS model 12  
2.5.2 The Aims of CLIS model 19  
2.5.3 The Principal of CLIS model 19  
2.5.4 Syntax of CLIS model 20  
2.6 Learning Material 22

## CHAPTER III RESEARCH METHODOLOGY
3.1 Location and Time 31  
3.2 Research Sample 31  
3.3 Variable of Research 31  
3.4 Design of Research 31  
3.4.1 Research Procedure 32  
3.5 Research Instrument 35  
3.51. Instrument Students’ Learning Outcome 36  
3.6. Instrument Test 36  
3.6.1 Validity Test 37  
3.6.2 Reliability Test 38  
3.6.3 Discrimination Power 39  
3.6.4 Difficulty Index 40  
3.7. Data Analysis 40
3.7.1 Student Mastery Level 40
3.7.2 Learning Completeness 41
3.7.3 Indicator Achievement Completeness 41
3.7.4 Non Test Instrument 42

CHAPTER IV RESULT OF RESEARCH AND DISCUSSION

4.1. Description of Action Research Data 43
4.1.1. Test of Instrument 43
4.1.1.2 Reliability 43
4.1.1.3 Index Difficulty 43
4.1.1.4 Index Discrimination 43
4.1.2. Description of Students Learning Outcome and Activity 44
4.2 Discussion

CHAPTER V CONCLUSION AND RECOMMENDATION

5.1. Conclusion 55
5.2. Recommendation 55

References 56