# TABLE OF CONTENT

<table>
<thead>
<tr>
<th>Approval sheet</th>
<th>i</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table list</td>
<td>vii</td>
</tr>
<tr>
<td>Figure list</td>
<td>viii</td>
</tr>
</tbody>
</table>

## CHAPTER I INTRODUCTION

1.1. Background  
1.2. Problem Identification  
1.3. Problem Scope  
1.4. Research Questions  
1.5. Research Objectives  
1.6. Research Significant  

## CHAPTER II THEORETICAL REVIEW

2.1. Theoretical Framework  
2.1.1. Learning Achievement  
2.1.1.1. Overview of Learning Achievement  
2.1.1.2. Learning Domains  
2.1.2. Active Learning  
2.1.3. Retention  
2.1.3.1. Information Process Theory  
2.1.3.2. Forgetting  
2.1.3.3. Students' Retention  
2.2. Learning Model: Role Playing  
2.3. The Media  
2.3.1. Animation Video as an Aid to Multimedia Learning  
2.3.2. Cognitive Theory of Multimedia Learning  
2.3.3. Advantages and Disadvantages in Animation Using  
2.4. Relevant Research  
2.5. Conceptual Framework  
2.6. Research Hypothesis  

## CHAPTER III RESEARCH METHODOLOGY

3.1. Location and Time of Research  
3.2. Population and Sample  
3.3. Research Variable  
3.4. Research Type and Design  
3.5. Research Instruments  
3.5.1. Questionnaire  
3.5.2. Blooms’ Cognitive Test  
3.5.3. Validity Test  
3.5.4. Reliability Test  
3.5.5. Item Difficulty  
3.5.6. Item Discriminant  
3.6. Research Procedure  
3.7. Data Analyzing Method
3.7.1. Normality Test 44
3.7.2. Homogeneity Test 44
3.7.3. Hypothesis Test 45
3.7.4. Retention Calculation 46

CHAPTER IV RESULT AND DISCUSSION

4.1. Result of the Research 47
4.1.1. Instrument Test 47
4.1.1.1. Validasi Test 47
4.1.1.2. Reliability Test 47
4.1.1.3. Difficulty Item 48
4.1.1.4. Discriminant Index 48
4.1.2. Description of Research Data 48
4.1.2.1. Pretest 48
4.1.2.2. Students’ Achievement 50
4.1.2.3. Students’ Retention 52
4.1.2.4. Percentage of Students’ Retention 54
4.1.3. Data Analysis 55
4.1.3.1. Normality Test 55
4.1.3.2. Homogeneity Test 55
4.1.3.3. Hypothesis Test 55
4.1.4. Students’ Response 57
4.2. Result Discussion 58
4.2.1. Students’ Achievement 58
4.2.2. Students’ Retention 60
4.2.3. Learning Observation Result 61

CHAPTER V CONCLUSION AND RECOMMENDATION

5.1. Conclusion 63
5.2. Recommendation 63

REFERENCES