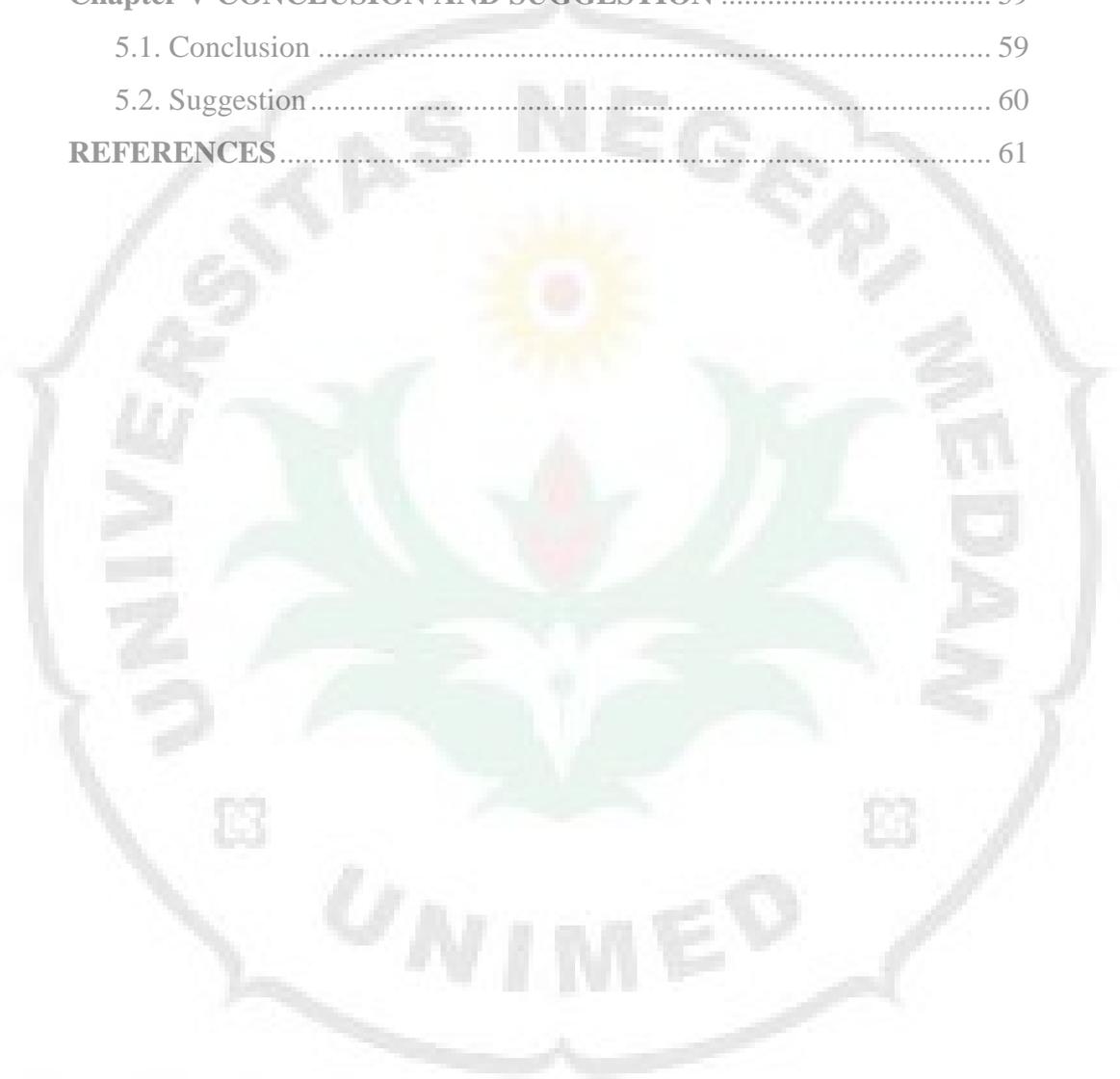


TABLE OF CONTENT

Approval Sheet	i
Biography	ii
Abstract	iii
Acknowledgment	iv
Table of Content	vi
List of Figure	ix
List of Table	x
List of Appendix	xi
Chapter I Introduction	1
1.1 Background	1
1.2 Problem Identification	5
1.3 Problem Limitation	5
1.4 Problem Formulation	6
1.5 Research Objectives	6
1.6 Research Benefits	6
1.7 Operational Definition	7
Chapter II Literature Review	8
2.1. The Nature of Learning and Learning of Chemistry	8
2.2. Teaching Materials	9
2.2.1 Understanding of Teaching Materials	9
2.2.2 Purpose of Teaching Material	10
2.2.3 Different Forms of Teaching Materials.....	10
2.2.4 Student Worksheet as Teaching Materials.....	10
2.3. Student Worksheet	10
2.3.1. Understanding Student Worksheet.....	10
2.3.2. The objectives of Student Worksheet	11
2.3.3. Benefits of Student Worksheet.....	12
2.3.4. Advantages and Disadvantages of Student Worksheet.....	12

2.3.5. Preparation Steps of Student Worksheet.....	12
2.4. Self-Learning	13
2.5. Research Development.....	15
2.6. Mobile Learning (m-learning)	16
2.7. Android	16
2.7.1. Understanding and Development of Android	16
2.7.2. Android Architecture	17
2.7.3. Chronology of Android and Feature Progress	18
2.8. Specification of Acid-Base Materials in 2013 Curriculum.....	20
2.9. Conceptual Framework	21
2.10. Research Hypothesis	22
Chapter III Research Methodology.....	23
3.1. Time and Location of Research	23
3.2. Population and Sample of Research.....	23
3.3. Development Model	23
3.4. Development Procedures.....	23
3.4.1. Analysis stages	24
3.4.2. Design stages.....	24
3.4.3. Development stages	24
3.4.4. Implementation stages.....	25
3.5. Data Type.....	27
3.6. Data Collection Instruments	27
3.7. Data Analysis Technique	28
3.7.1. Data of Product Development Process.....	28
3.7.2. Data of Product Quality	29
Chapter IV RESEARCH RESULT AND DISCUSSION	32
4.1. Research Result.....	32
4.2. Data Analysis and Discussion.....	33
4.2.1. Product Development Data	34
4.2.2. Product Quality Assessment Data	42
4.2.3. Data of Increasing Motivation and Student Self-Learning	50

Chapter V CONCLUSION AND SUGGESTION	59
5.1. Conclusion	59
5.2. Suggestion.....	60
REFERENCES	61



THE
Character Building
UNIVERSITY