LIST OF CONTENT

Legalization Sheet Biograph Abstract Acknowledgment List of Content List of Figure List of Table List of Appendix

CHAPTER I INTRODUCTION

1.1 Background
1.2 Problem Identification
1.3 Problem Limitation
1.4 Problem Formulation
1.5 Research Objective
1.6 Research Benefit
1.7 Operational Definition

CHAPTER II LITERATURE STUDY

	2.1 Principle of Teaching	6
	2.2 Student Worksheet	6
	2.3 Self-Learning	9
	2.4 Research Development	10
	2.5 Mobile Learning (m-Learning)	
	2.6 Android System	11.
ļ	2.7 Salt Hydrolysis	14
1	2.8 Conceptual Framwork	19
	2.9 Research Hypothesis	20

i

ii

iii

iv

vi

vii

CHAPTER III RESEARCH METHODOLOGY	
3.1 Time and Location of Research	21
3.2 Population and Sample of Research	21
3.3 Development Model	21
3.4 Development Procedure	21
3.5 Research Instrument and Analysis Technique	27
CHAPTER 1V RESULT AND DISCUSSION	
4.1 Student Worksheet based Android	37
4.2 Analysis of Student Worksheet based Android	37
4.3 Analysis of Student Outcome Used Instrument Test	38
4.4 Analysis of Student Outcomes	41
4.5Analysis of Student Learning Motivation	45
CHAPTER V CONCLUSION AND SUGGESTION	
5.1 Conclusion	46
5.2 Suggestion	47
	83 /
REFERENCES	47



LIST OF FIGURE

Figure 3.1 Research Design of Development of Student's WorksheetBased Android Mobile on Salt Hydrolysis Topic23Figur 3.2 Scheme of Research Steps26



LIST OF TABLE

Table 2.1 The Nature of Salt Solution	15
Table 3.1 Research Design Matrix	22
Table 3.2 Grid of Learning Media Assessment	
Instruments for Media Expert	27
Table 3.3 Grid of Learning Media Assessment	
Instruments for Material Expert	28
Table 3.4 Grid of Learning Media Assessment Instruments	
for Learning Practioners (Teacher)	28
Table 3.5 Grid of Instruments for Student Learning Motivation	29
Table 3.6 Assessment Classification of Students Motivation	
Questionnaire	30
Table 4.1 Average Assessment of Student's Workshett Based Android	
Mobile by Lecturers And Teachers in Media Validation	38
Table 4.2 Average Assessment of Student's Workshett Based Android	
Mobile by Lecturers And Teachers in Material Validation	38
Table 4.3 Instrument Analysis Recapitulation	41
Table 4.4 Students Pretest Score	42
Table 4.5 Normality Test For Pretest	42
Table 4.6 Homogenity Test For Pretest	43
Table 4.7 Students Postest Score	43
Table 4.8 Normality Test For Postest	44
Table 4.9 Homogenity Test For Postest	45
Table 4.10 Hypothesis Testing Data	45
albanappe () Reich	di
Manacco (Daala	un
UNIVERSITY	0

LIST OF APPENDIX

	Appendix 1 Syllabus	51
	Appendix 2 Lesson Plan	43
	Appendix 3 Analysis of Instrument Test	76
	Appendix 4 Instrument Test Before Validation	89
	Appendix 5 Instrument Test After Validation	95
	Appendix 6 Media Validation	100
	Appendix 7 Material Validation	102
	Appendix 8 Table of Validity Test	103
	Appendix 9 Calculated of Validity Test	104
	Appendix 10 Table of Reliability Test	107
	Appendix 11 Calculated of Reliability Test	109
	Appendix 12 Table of Difficulty Test	110
	Appendix 13 Calculated of Difficulty Test	111
	Appendix 14 Table of Different Index	113
	Appendix 15 Calculated Different Index	114
	Appendix 16 Distructor Table	116
	Appendix 17 Instruments Analysis Recapitulation	117
	Appendix 18 Tabulation of Students Outcome Data	118
	Appendix 19 Table of Normality Test	120
	Appendix 20 Table of Homogenity Test	123
	Appendix 21 Hypothesis	126
	Appendix 22 Percentage of Improved Learning Outcomes	128
	Appendix 23 Table of Student Motivation	130
	Appendix 24 Student's Worksheet Based Android Mobile	131
J	Appendix 25 r- Product Moment	132
t	Appendix 26 Chi Square Table	136
	Appendix 27 f- Distribution	138
	Appendix 28 t- Distribution	139
	Appendix 29 Documentation	140