

## LIST OF CONTENT

	Pages
<b>VALIDITY SHEET</b>	<b>i</b>
<b>BIOGRAPHY</b>	<b>ii</b>
<b>ABSTRACT</b>	<b>iii</b>
<b>FOREWORD</b>	<b>iv</b>
<b>LIST OF CONTENT</b>	<b>viii</b>
<b>LIST OF TABLE</b>	<b>ix</b>
<b>LIST OF FIGURES</b>	<b>x</b>
<b>LIST OF APPENDIX</b>	<b>xi</b>
<b>CHAPTER I INTRODUCTION</b>	
1.1 Background	1
1.2 Identification of Problem	4
1.3 Scope of The Problem	5
1.4 Formulation Problem	5
1.5 Research Purpose	5
1.6 Benefits of Research	6
<b>CHAPTER II LITERATURE REVIEW</b>	
2.1 Chemistry Teaching Materials	7
2.1.1 Function Subject	7
2.1.2 The Role of Chemistry Teaching Materials	8
2.1.3 The Purpose of Chemical Materials Development	8
2.1.4 Benefits of Chemical Materials Development	8
2.1.5 Criteria Good Teaching Materials	9
2.2 Innovative Teaching Materials Chemistry	10
2.3 E-book	13
2.4 Material Chemical Bonds	16
2.5 Standardize Eligibility Teaching Materials Chemistry	19
2.5.1 Standardize Eligibility Contents	19
2.5.2 Standardize Eligibility Languages	19
2.5.3 Standardize Eligibility Presentation	20
2.5.4 Standardize Eligibility Graph	20
2.6 Research Development	21
2.7 Motivation to Learn	22
2.8 Learning Outcomes	23
2.9 Frame of Thinking	24
3.0 The Research Hypothesis	25
<b>CHAPTER III RESEARCH METHOD</b>	
3.1 Reaserch Methodology	26
3.1.1 Research Procedure	26
3.1.2 Research Techniques	29
3.2 Place and Time of Research	29
3.3 Population and Research Samples	29
3.3.1 Population Research	29
3.3.2 Research Samples	30
3.4 Research Variables	30
3.4.1 Independent Variables	30

3.4.2	Dependent Variables	30
3.4.3	Controlled Variables	30
3.5	Definition Operational	31
3.6	Measurement Aspect	31
3.7	Data Collection Techniques	32
3.7.1	Validity of Test	33
3.7.2	Reliability of Test	34
3.7.3	Difficulty Index of Test	35
3.7.4	Discrimination Index of Test	35
3.8	Research Instrument	36
3.8.1	Questionnaire for Validation of Innovative Learning Materials E-book	36
3.8.2	Instrument Test	36
3.8.3	Motivation Questionnaire	37
3.9	Data Analysis Technique	38
3.9.1	Normality Test	39
3.9.2	Homogeneity Test	40
3.9.3	Hypothesis Testing	40
3.9.4	Calculation of Student Motivation	41
<b>CHAPTER IV RESULT AND DISCUSSION</b>		
4.1	Description of Research Results	42
4.1.1	Analysis of School Textbooks	42
4.1.2	E-book that Development	43
4.1.3	Feasibility Analysis of E-Book By BNSP	44
4.1.4	Analysis of Student Motivation	45
4.1.5	Analysis of Learning Outcomes	46
4.1.5.1	Instrument Analysis Research	46
4.1.5.2	Validity of Test	46
4.1.5.3	Difficulty Test	47
4.1.5.4	Decrimination Test	47
4.1.5.5	Reliability Test	47
4.1.5.6	Analysis of Student Result	49
4.1.5.6.1	Analysis of Pretest Student	49
4.1.5.6.2	Normality of Pretest	49
4.1.5.6.3	Pretest Homogeneity Test	50
4.1.5.6.4	Analysis of Result Posttest Students	50
4.1.5.6.5	Normality of Test Result Posttest	51
4.1.5.6.6	Homogeneity Test Result Posttest	51
4.1.5.6.7	Hyphothesis	52
4.2.	Discussion	52
4.2.1	Analysis of School Textbooks	52
4.2.2	E-book that Development	53
4.2.3	Level Eligibility Ebook	53
4.2.4	Student Motivation	54
4.2.5	Student Learning Outcomes	54
4.2.5.1	Pretest	54
4.2.5.2	Posttest	55

**CHAPTER V CONCLUSION AND SUGGESTION**

5.1	Conclusion	56
5.2	Suggestion	56
	<b>REFERENCES</b>	57
	<b>APPENDIX</b>	62



THE  
*Character Building*  
UNIVERSITY