

## LIST OF CONTENTS

	Page
Legalization Sheet	<i>i</i>
Biography	<i>ii</i>
Abstract	<i>iii</i>
Acknowledgement	<i>iv</i>
List of Contents	<i>vii</i>
List of Tables	<i>x</i>
List of Figures	<i>xi</i>
List of Appendix	<i>xii</i>
<b>CHAPTER I INTRODUCTION</b>	
1.1. Background	1
1.2. The Problem Identification	4
1.3. The Problem Formulation	5
1.4. The Problem Limitation	5
1.5. Research Objectives	6
1.6. Research Benefits	6
<b>CHAPTER II LITERATURE STUDY</b>	
2.1. Defenition of Media	8
2.2. Functions and Benefits of Learning Media	9
2.3. Types of Learning Media	9
2.4. Definition of Learning Materials	10
2.4.1. Types of Learning Materials	11
2.4.2. Procedures of Learning Material	12
2.4.3. Functions of Learning Material	12
2.5. Multimedia in Learning Chemistry	14
2.5.1. E-Learning as a Learning Media	15

2.6. The Learning Material as a media	16
2.7. Interactive of Learning Materials	17
2.8. Innovative of Learning Material	18
2.9. Electrochemistry	18
2.9.1. Standard electrode potential	19
2.9.2. Electrochemistry Cell	21
2.9.2.1. Definition of Standard Cells of DGL	22
2.9.2.2. Determination DGL Cells and Gibbs Free Energy	23
2.9.3. Battery	24
2.9.4. Corrosion	25
2.9.4.1. Iron corrosion	25
2.9.4.2. Corrosion of common metals	26
2.9.4.3. Prevention of corrosion	27
2.10. Electrolysis	27
2.10.1. Electrolysis of molten sodium chloride	27
2.10.2. Electrolysis of water	28
2.10.3. Electrolysis of aqueous solutions	29
2.10.4. Electrolysis of a solution of sodium chloride	29
2.11. Conceptual Framework	31
2.12. Hypothesis Presenting	31
<b>CHAPTER III METHODOLOGY OF RESEARCH</b>	
3.1. Location and Time of Research	32
3.2. Population and Sample of Research	32
3.3. Research Instrument	32
3.4. Research Design	33
3.5. Research Procedure	33

3.6. Data Collection Technique	36
3.7. Data Analysis Technique	36
<b>CHAPTER IV RESULT AND DISCUSSION</b>	
4.1. The Survey of General Chemistry Textbooks	39
4.2. The Descriptive Analysis General Chemistry Books	44
4.3. Development of Interactive and Innovative Chemistry Learning Material	51
4.4. Standardization of Chemistry Learning Material	54
4.5. The Descriptive Question for Descriptive Analysis of Chemistry Learning Material	57
<b>CHAPTER V CONCLUSION AND SUGGESTION</b>	
5.1 Conclusion	60
5.2 Suggestion	61
<b>REFERENCE</b>	<b>62</b>