

## Table Of Contents

ORIGINALITY STATMENT PAGE .....	i
PUBLICATION APPROVAL PAGE .....	i
BIOGRAPHY .....	i
ABSTRACT .....	ii
PREFACE .....	iii
Table Of Contents .....	v
List of Figures .....	vii
List of Tables.....	ix
Appendix List.....	x
CHAPTER I INTRODUCTION .....	1
1.1. Background Of Study.....	1
1.2. Problem Identification.....	3
1.3. Scope of Study .....	4
1.4. Research Questions .....	4
1.5. Scope of Problems .....	4
1.6. Study Objectives .....	4
1.7. Research Purposes.....	5
CHAPTER II LITERATURE REVIEW.....	6
2.1. Theoretical Review .....	6
2.1.1. Teaching materials .....	6
2.1.2. Module Teaching Materials .....	7
2.1.3. E-Module Teaching Materials .....	8
2.1.4. Microlearning.....	9
2.1.5 A plane .....	10
2.2. Framework of Thinking .....	20
2.3. Relevant Research.....	22
CHAPTER III RESEARCH METHODS .....	24
3.1. Place and Time of Research.....	24
3.2. Types of research .....	24
3.3. Population and Sample.....	24

3.4. Research Design.....	25
3.5. Data Collection Technique.....	25
3.6. Research Instruments .....	25
3.6.1. Preliminary Study Instrument .....	26
3.6.2. Expert Validation Instruments .....	26
3.6.3. Product Trial Instruments.....	26
3.7. Research Procedure.....	26
3.7.1. Definition Stage (Define).....	27
3.7.2. Planning Phase (Design) .....	27
3.7.3. Development Stage (Develop).....	27
3.8. Data Analysis .....	28
3.8.1. Qualitative descriptive analysis.....	28
3.8.2. Quantitative descriptive analysis.....	29
CHAPTER IV RESULTS AND DISCUSSION.....	31
4.1. Research result .....	31
4.1.1. Define.....	31
4.1.2. Design .....	33
4.1.3. Develop .....	33
4.2. Discussion .....	41
4.2.1. Validity of E-Module .....	43
4.2.2. Practicality of E-Module .....	44
CHAPTER V CONCLUSIONS AND SUGGESTION.....	47
5.1. Conclusion .....	47
5.2. Suggestion.....	47
Bibliography.....	48
APPENDIX.....	52