

TABLE OF CONTENT

	<i>Page</i>
MOTTO SHEET AND OFFERING	i
ORIGINALITY STATEMENT SHEET	iii
APPROVAL SHEET FOR THE PUBLICATION OF THE FINAL THESIS PROJECT FOR THE BENEFIT OF ACADEMICS	iv
BIOGRAPHY	v
ABSTRACT.....	vi
FOREWORD	vii
TABLE OF CONTENT.....	ix
LIST OF FIGURE	xii
LIST OF TABLE	xiii
LIST OF ATTACHMENT.....	xv
CHAPTER I INTRODUCTION	1
1.1 Problem Background.....	1
1.2 Problem Identification.....	6
1.3 Scope of Research	7
1.4 Problem Formulation	7
1.6 Research Objectives	8
1.7 Research Benefits.....	9
CHAPTER II LITERATURE REVIEW.....	10
2.1 Research and Development.....	10
2.1.1 Definition of Research and Development.....	10
2.1.2 Research and Development Model.....	11
2.2 Learning Media	12
2.2.1 Definition of Learning Media	12
2.2.2 Types of learning media	13

2.2.3	Characteristics and Classification of Learning Media	13
2.2.4	Functions and Roles of Learning Media	14
2.3	E-Pocket Book	15
2.3.1	Definition of Pocket Book	15
2.3.2	Pocketbook Writing Systematics	16
2.3.3	Advantages of pocket books	17
2.3.4	Disadvantages of pocket books.....	17
2.3.5	Electronic Pocket Book (E-Pocket Book)	18
2.4	Vertebrate Taxonomy.....	18
2.4.1	Definition of Taxonomy	18
2.4.2	History of Vertebrate	19
2.4.3	Pisces	20
2.5	Thinking Framework.....	35
	CHAPTER III RESEARCH METHOD.....	38
3.1	Location and Time of Research	38
3.2	Subjects and Objects of Research	38
3.3	Type and Design of Research	38
3.4	Operational Definition	39
3.5	Research Instrument.....	39
3.5.1	Assessment Sheet by the Material Expert Validator	40
3.5.2	Assessment Sheet by the Design Expert Validator.....	41
3.5.3	Assessment Sheet by the Linguistic Expert Validator.....	43
3.5.4	Lecture Response Questionnaire	44
3.5.5	Student Response Questionnaire	46
3.5.6	Student Evaluation Test.....	48
3.5.7	Question Validation Sheet Grid.....	50
3.5.8	Observation Sheet Validation Sheet grid.....	50
3.6	Data Collection Technique.....	51
3.7	Research Procedure	52
3.7.1	Defining Stage (define).....	52
3.7.2	Design stage (Design).....	53

3.7.3	Development Stage (develop).....	57
3.7.4	Dissemination Stage (Disseminate).....	58
3.8	Data Analysis Technique	60
3.8.1.	Data Analysis Technique of Expert Assessment Validation Sheets and Response Questionnaires	60
3.8.2.	Student Evaluation Data	66
CHAPTER IV	RESULT AND DISCUSSION	70
4.1.	Research Results	70
4.1.1.	Define Stage Results	70
4.1.2.	Design Stage Results	73
4.1.3.	Develop Stage Results	81
4.1.4.	Disseminate Stage Results	104
4.2.	Research Discussion.....	114
4.2.1.	Define Stage Discussion	114
4.2.2.	Design Stage Discussion.....	116
4.2.3.	Develop Stage Discussion	119
4.2.4.	Disseminate Stage Discussion	126
4.3.	Research Limitation	131
CHAPTER V	CONCLUSION AND SUGGESTION.....	132
5.1.	Conclusion.....	132
5.2.	Suggestion	133
REFERENCES.....		134
ATTACHMENT		140