

TABLE OF CONTENT

RATIFICATION SHEET	i
BIOGRAPHY	ii
ABSTRACT	iii
ACKNOWLEDGEMENT	iv
TABLE OF CONTENT	vii
LIST OF FIGURE	x
LIST OF TABLE	xi
LIST OF APPENDIX	xii
CHAPTER I INTRODUCTION	1
1.1. Background	1
1.2. Problem Identification	5
1.3. Problem Limitation	6
1.4. Problem Statement	6
1.5. Research Objective	7
1.6. Research Benefit	7
CHAPTER II LITERATURE REVIEW	8
2.1. Learning	8
2.1.1 Definition Of Learning	8
2.1.2 Theory Of Learning	9
2.1.3 Types Of Learning	9
2.1.4 Form Of Learning	9
2.2. Student's Achievement	10
2.2.1 Definition Of Learning Outcome	10
2.3. Learning Difficulties	11
2.3.1. Definition Of Learning Difficulties	11
2.3.2. Factor Of Learning difficulties	11
2.4. Problem Based Learning	12
2.4.1. Definition Problem Based Learning Model	12
2.4.2. The Characteristic Of Problem Based Learning Model...	13
2.4.3. Stages Of Problem Based Learning Model	14
2.4.4. Implementation Of Problem Based Learning model	15
2.4.5. Advantage Of Problem Based Learning Model	18
2.4.6. The Disadvantage Of The Problem Based Learning Model	18
2.5. Media Of Education	19
2.5.1. Definition Of Learning Media	19
2.5.2. Types Of Learning Media	19
2.5.3. The Benefit Of Learning Media	20
2.6. Handout Media	21
2.6.1. Definition Of Handout Media	21
2.6.2. The Form Of Handout Media	21

2.6.3. Arranging Handout	21
2.6.4. The Advantage And Disadvantage Of Handout	23
2.7. The Character Of Education	24
2.7.1. The Curiosity Character	25
2.7.2. The Underlying Cause of Curiosity	27
2.8. Colloidal System	27
2.9. Conceptual Framework	27
2.10. Hypothesis	28
CHAPTER III RESEARCH METHODOLOGY	29
3.1. Location And Time Research	29
3.2. Population And Sample	29
3.3. Research Variable	30
3.4. Research Instrument	30
3.4.1. Test Instrument	30
3.4.2. Observation Sheet Of Student Character	32
3.4.3. Questionnaire Of Student's Character	34
3.4.4. Questionnaire Of Handout Media	35
3.5. The Instrument's Trial	36
3.5.1. Validity Test	36
3.5.2. Index Difficulty Level	36
3.5.3. Discriminating Power	37
3.5.4. Reliability Test	38
3.6. Types And Research	38
3.6.1. Types Of Research	38
3.6.2. Research Procedure	38
3.6.3. Research design	39
3.7. Technique Of Data Collection	42
3.8. Data Analysis	42
3.8.1. The Normality Test	42
3.8.2. The Homogeneity Test	42
3.8.3. Normalized Gain	43
3.8.4. The Effectiveness of Problem Based Learning with Handout Media	43
3.8.5. The calculation Of Student Character	43
3.8.6. Hypothesis Testing	43
3.9. Research Time Table	44
CHAPTER IV RESULT AND DISCUSSION	45
4.1. The Description of School Sample	45
4.2. The Instrument's Analysis	45
4.2.1 The Observation Sheet of Student's Character	45
4.2.2 The Questionnaire of Student's Character	46
4.2.3 The Questionnaire of Student's Responsive to Handout Media	46
4.2.4 The Validity of Evaluation Test	46

4.2.5	Reliability of Evaluations Test.....	49
4.2.6	Difficulty Index of Evaluation Test	49
4.2.7	Discriminating Power of evaluation Test	50
4.3.	The Data of Research Result.....	52
4.3.1	The Result of pretest and Posttest.....	53
4.3.2	The Result of Development of Student's Curiosity Character by Observation Sheet.....	53
4.3.3	The Result of Development of Student's Curiosity Character by Questionnaire.....	54
4.3.4	The Result of Development of Student's Responsive about Handout Media by Questionnaire	54
4.4.	The Analysis of Data.....	54
4.4.1	The Normality Test	54
4.4.1.1	The Normality Test of Student Achievement.....	55
4.4.1.2	The Normality Test of development of Student's Curiosity character	55
4.4.1.3	The Normality Test of Development Student's Responsive about Handout Media.....	56
4.4.2	Homogeneity Test.....	56
4.4.2.1	Homogeneity Test of Student's Achievement.....	56
4.4.2.2	Homogeneity Test of Student's Curiosity Character.....	57
4.5.	Student's Achievement	57
4.5.1	Student's Achievement before Teaching Treatment.....	57
4.5.2	Student's Achievement after Teaching Treatment.....	58
4.5.3	The Analysis of Question based on Posttest Result.....	62
4.5.4	Gain (Increasing of Student's Achievement).....	63
4.6.	Student Character	63
4.6.1	The Development of Student's Curiosity Character	63
4.7.	The Development of Student's Responsive to Media Handout.....	64
4.8.	Hypothesis Testing.....	64
4.8.1.	Hypothesis Testing for Number 1	64
4.8.2.	Hypothesis Testing for Number 2.....	65
4.8.3.	Hypothesis Testing for Number 3.....	66
4.8.4.	Hypothesis Testing for Number 4.....	66
4.9.	The Relationship Student's Achievement with Development of Student's Character.....	68
4.10.	The Effectiveness of problem Based Learning Model with Handout Media.....	70
4.11.	Discussion	71
CHAPTER V	75
5.1.	Conclusion	75
5.2.	Suggestion.....	75
REFERENCES	76