

TABLE OF CONTENTS

APPROVAL SHEET	i
ORIGINALIZATION STATEMENT	ii
PUBLICATION APPROVAL	iii
BIOGRAPHY	iv
ABSTRACT	v
PREFACE	vi
TABLE OF CONTENTS.....	viii
LIST OF FIGURES	ix
LIST OF TABLES	x
LIST OF ATTACHMENT	xi
CHAPTER I PRELIMINARY	1
1.1 Background	1
1.2 Identification of Problem	7
1.3 Problem Limitation	7
1.4 Formulation of the Problem.....	7
1.5 Research Objectives	8
1.6 Benefits of Research	8
CHAPTER II THEORITICAL STUDY	9
2.1 Mathematics Learning	9
2.2 Learning Theory	12
2.2.1 John B Watson's Learning Theory	12
2.2.2 Jerome Bruner's Learning Theory	12
2.2.3 Vygotsky's Learning Theory	13
2.3 Definition of the ability to understand mathematical concepts	13
2.4 Indicators of understanding mathematical concepts	15

2.5 Definition of Missouri Mathematics Project	17
2.6 Principles of the Missouri Mathematics Project	19
2.7 Syntax for implementing the Missouri Mathematics Project (MMP) learning model	20
2.8 The advantages and disadvantages of the Missouri Mathematics Project (MMP) learning model	22
2.8.1 The advantages of the Missouri Mathematics Project (MMP) learning model	22
2.8.2 Disadvantages of the Missouri Mathematics Project (MMP) learning model	22
2.9 Statistics Material.....	22
2.9.1 Statistics Data	23
2.9.2 Population and Sample	23
2.9.3 Data presentation	23
2.9.4 Single Data Calculation	24
2.9.5 Single Data Spread Size	25
2.10 Relevant Research	26
2.11 Thinking Framework.....	28
2.11.1 The improvement the ability to understand mathematical concepts using the Missouri Mathematics Project learning model in class VIII students of SMP Negeri 1 Air Putih .	28
2.11.2 The classical completeness of class VIII students of SMP Negeri 1 Air Putih in learning statistics using the Missouri Mathematics Project learning model	29
2.12 Action Hypothesis	30
CHAPTER III RESEARCH METHODOLOGY	31
3.1 Location and Time of Research	31
3.2 Types of Research	31
3.3 Research Subjects and Objects.....	32

3.3.1 Subjects.....	32
3.3.2 Objects	32
3.4 Operational Definition	32
3.5 Research Design	33
3.6 Research Procedure	34
3.7 Data Collection Technique.....	40
3.7.1 Observation	41
3.7.2 Tests	41
3.7.3 Documentation	41
3.8 Data Analysis Technique.....	42
3.8.1 Test Analysis	42
3.8.2 Observation Analysis	43
3.8.3 Indicators of Research Success	44
CHAPTER IV RESEARCH METHODOLOGY	45
4.1 Research result	45
4.1.1 Implementation and Results of Cycle I Research	45
4.1.1.1 Problem I	45
4.1.1.2 Action Planning I	47
4.1.1.3 Implementation of Action I	48
4.1.1.4 Observation I	50
4.1.1.5 Cycle I Data Analysis	51
4.1.1.6 Reflection I	57
4.1.2 Implementation and Research Results Cycle II	58
4.1.2.1 Action Planning II	58
4.1.2.2 Implementation of Action II	59
4.1.2.3 Observation II	61
4.1.2.4 Cycle II Data Analysis	62
4.1.2.5 Reflection II	68
4.1.3 Implementation and Research Results Cycle III	68

4.1.3.1 Action Planning III	68
4.1.3.2 Implementation of Action III	69
4.1.3.3 Observation III	72
4.1.3.4 Cycle III Data Analysis	73
4.1.3.5 Reflection III	77
4.2 Discussion of Research Results	77
CHAPTER V RESEARCH METHODOLOGY.....	80
5.1 Conclusion	80
5.2 Suggestion	80
REFERENCES	82

