

TABLE OF CONTENTS

	<i>Page</i>
APPROVAL SHEET	i
BIOGRAPHY	ii
ORIGINALITY STATEMENT PAGE.....	iii
PUBLICATION APPROVAL PAGE	iv
ABSTRAK	v
ABSTRACT	vi
PREFACE.....	vii
TABLE OF CONTENTS.....	ix
LIST OF TABLE	xiii
LIST OF FIGURE	xv
LIST OF ATTACHMENT	xvii
CHAPTER I INTRODUCTION.....	1
1.1 Background of Study.....	1
1.2 Problem Identifications.....	8
1.3 Scope of Study	9
1.4 Research Questions	9
1.5 Scope of Problem	10
1.6 Study Objectives	10
1.7 Research Purposes	10
CHAPTER II LITERATURE REVIEW	12
2.1 Theoretical Framework	12
2.1.1 Learning Motivation	13
2.1.1.1 The Nature of Student Learning	13
2.1.1.2 Definition of Learning Motivation	14
2.1.1.3 The Function and Role of Motivation in Student Learning	15
2.1.1.4 Indicator of Learning Motivation	16
2.1.2 Understanding of Mathematical Concepts	17

2.1.2.1 Definition of Understanding of Mathematical Concepts	17
2.1.2.2 Indicator of Understanding of Mathematical Concepts	18
2.1.3 Learning Model	20
2.1.3.1 Problem Posing Approach	20
2.1.3.2 Steps in the Problem Posing Approach	21
2.1.3.3 Advantages of The Problem Posing Approach	22
2.1.3.4 Disadvantages of The Problem Posing Approach	23
2.1.4 Polyhedron Materials	23
2.1.4.1 Cube	23
2.1.4.2 Cuboid	27
2.1.4.3 Prism	31
2.1.4.4 Pyramid	33
2.2 Relevant Research	35
2.3 Conceptual Framework	39
2.3.1 Problem Posing can Increase Student Learning Motivation	40
2.3.2 Problem Posing can Improve Students' Understanding of Mathematical Concepts	40
2.4 Action Hypothesis	41
CHAPTER III RESEARCH METHODOLOGY	42
3.1 Place and Time of Research.....	42
3.2 Type of Research	42
3.3 Subject and Object Research.....	42
3.3.1 Subject of Research	42
3.3.2 Objects of Research.....	43
3.4 Operational Definitions.....	43
3.5 Research Procedure.....	44
3.5.1 Cycle I.....	44
3.5.1.1 Problem Stage	44
3.5.1.2 Planning Stage	45
3.5.1.3 Action Stage	46

3.5.1.4 Observation Stage.....	46
3.5.1.5 Data Analysis Stages.....	46
3.5.1.6 Reflection Stage	46
3.5.2 Advanced Cycle	47
3.6 Data Analysis Technique	48
3.6.1 Questionnaire.....	48
3.6.2 Test.....	49
3.6.3 Documentation	52
3.7 Conclusion Drawing	52
CHAPTER IV RESULTS AND DISCUSSION	54
4.1 Research Result	54
4.1.1 Cycle I Data Description	54
4.1.1.1 Problem Stage Cycle I.....	55
4.1.1.2 Plannig Stage Cycle I.....	58
4.1.1.3 Action Stage Cycle I	58
4.1.1.4 Observation Stage Cycle I.....	63
4.1.1.5 Data Analysis Stage Cycle I.....	65
4.1.1.6 Reflection Stage Cycle I	73
4.1.2 Cycle II Data Description	74
4.1.2.1 Problem Stage Cycle II.....	75
4.1.2.2 Plannig Stage Cycle II.....	76
4.1.2.3 Action Stage Cycle II.....	76
4.1.2.4 Observation Stage Cycle II.....	81
4.1.2.5 Data Analysis Stage Cycle II	83
4.1.2.6 Reflection Stage Cycle II.....	92
4.1.3 Cycle III Data Description.....	93
4.1.3.1 Problem Stage Cycle III.....	94
4.1.3.2 Plannig Stage Cycle III.....	94
4.1.3.3 Action Stage Cycle III	94
4.1.3.4 Observation Stage Cycle III	99
4.1.3.5 Data Analysis Stage Cycle III.....	101

4.1.3.6 Reflection Stage Cycle III	112
4.2 Discussion	113
CHAPTER V CLOSING	121
5.1 Conclusion	121
5.2 Suggestion.....	121
REFERENCES.....	123

