

CONTENTS

	Page
Sheet of Agreement	<i>i</i>
Narrative	<i>ii</i>
Abstract	<i>iii</i>
Preface	<i>iv</i>
Contents	<i>v</i>
List of Figure	<i>vii</i>
List of Tables	<i>viii</i>
List of Appendix	<i>ix</i>
CHAPTER I INTRODUCTION	
1.1. Problem Background	1
1.2. Problems Identification	11
1.3. Research Scope	11
1.4. Research Question	12
1.5. Research Objectives	12
1.6. Significant Study	13
CHAPTER II LITERATURE REVIEW	
2.1. Theoretical Framework	15
2.1.1 Essence of Mathematics Learning	15
2.1.2. Problem Solving In Mathematics	16
2.1.3. Guided Discovery	21
2.1.4. Description of Lesson Materials	25
2.2. Conceptual Framework	27
2.3. Hypothesis	29
CHAPTER III RESEARCH METHOD	
3.1. The Type of Research	30
3.2. Place and Time of Research	30
3.2.1. Place of Research	30

3.2.2. Time of Research	31
3.3 Subjects and Object Research	32
3.4. Research Procedures	32
3.5. Data Collection Techniques	37
3.6. The Research Instrument	39
3.7. Data Analysis Techniques	40
CHAPTER IV RESULT AND ANALYSIS	
4.1 Description of Cycle I Research Result	45
4.2 Observation's and Test's Result of the Cycle I	
4.2.1 Observation Result	49
4.2.2 Cycle I Test Result	53
4.2.3 Cycle I Interview Result	57
4.3. Reflection for Cycle I	58
4.4. Description of Cycle II Research Result	59
4.5 Observation's and Test's Result of the Cycle II	62
4.5.1 Observation Result	62
4.5.2 Cycle II Test Result	65
4.5.3 Cycle II Interview Result	65
4.6 Reflection for Cycle II	66
4.7 Result Analysis	67
CHAPTER V CONCLUSION AND SUGGESTION	
5.1 Conclusion	71
5.2 Suggestion	72
REFERENCES	73
APPENDIX	75

LIST OF FIGURE

	Pages
Figure 1.1 Student confuse to draw figure following text only	5
Figure 1.2 Student answer problem with figure well	5
Figure 1.3 Student weakness to find prism base	6
Figure 1.4 Different ways of student to solve math problem	6
Figure 1.5 Advance problem that student miss to solve	7
Figure 1.6 Students' lose in their answer without well planning	8
Figure 2.1. Schematic outline that reveals	20
Figure 2.2. Prism and it's net	25
Figure 2.3. Cube and Prism	25
Figure 2.4. Pyramid and its net	26
Figure 2.5 Pyramid according in cube nets	27
Figure 3.1. Steps Classroom Action Research	32
Figure 4.1 The Result of Beginning Test	45
Figure 4.2 The Teacher Observation Result in Cycle I	51
Figure 4.3 The Students' Observation Result in Cycle I	52
Figure 4.4 The Result of Cycle I's Test	53
Figure 4.5 The Teacher Observation Result in Cycle II	63
Figure 4.6 The Students' Observation Result in Cycle II	64
Figure 4.7 The Result of Cycle II's Test	65
Figure 4.8 The Increasing of Students' Problem Solving Level	68
Figure 4.9 The Increasing of The Classical Achievement	68

LIST OF TABLE

	Page
Table 3.1. Details of Research Time	31
Table 3.2. The timing of the initial dialogue	33
Table 3.3. Schedule of Reflection	36
Table 3.4 Scoring Technique	41
Table 4.1 Research Implementation Time in Cycle I	45
Table 4.2 The Teacher Observation Result in Cycle I	50
Table 4.3 The Student Observation Result in Cycle I	52
Table 4.4 Problem identification and its solution in Cycle I	54
Table 4.5 Research Implementation Time in Cycle II	56
Table 4.6 The Teacher Observation Result in Cycle II	56
Table 4.7 The Students' Observation Result in Cycle II	58
Table 8.8 Problem identification and solution for reflection in cycle II	67

LIST OF APPENDIX

	Page
Appendix 1. Lesson Plan 1 (Cycle I)	76
Appendix 2. Worksheet 1	79
Appendix 3. Answer Key of WORKSHEET 1	82
Appendix 4. Lesson Plan 2 (Cycle I)	85
Appendix 5. Worksheet 2	88
Appendix 6. Answer Key of WORKSHEET 2	92
Appendix 7. Lesson Plan 3 (Cycle II)	95
Appendix 8. Worksheet 3	98
Appendix 9. Answer Key of WORKSHEET 3	100
Appendix 10. Lesson Plan 4 (Cycle II)	104
Appendix 11. Worksheet 4	107
Appendix 12. Answer Key of WORKSHEET 4	113
Appendix 13. The Test Grating Cycle 1	117
Appendix 14. Test Cycle 1	119
Appendix 15. Answer Key of Cycle 1 Test	123
Appendix 16. The Test Grating Cycle 2	127
Appendix 17. Test Cycle 2	129
Appendix 18. Answer Key of Cycle 2 Test	133
Appendix 19. Validation Paper of Cycle 1 Test	137
Appendix 20. Validation Paper of Cycle 2 Test	139
Appendix 21. Interview Guidelines	141
Appendix 22. Observation Sheet for Teacher Activity	142
Appendix 23. Observation Sheet for Students Activity	150
Appendix 24. Initial Score	154
Appendix 25. Cycle I Test Result	155
Appendix 26. Cycle II Test Result	156
Appendix 27. Students' Interview	157
Appendix 28. Field Notes	163
Appendix 29. Documentation	170