

TABLE OF CONTENTS

APPROVAL LIST.....	i
BIOGRAPHY.....	ii
ACKNOWLEDGEMENT.....	iii
ABSTRACT.....	v
TABLE OF CONTENTS.....	vi
LIST OF FIGURES.....	ix
LIST OF TABLES.....	x
LIST OF APPENDIX.....	xi
CHAPTER 1. INTRODUCTION.....	1
1.1. The Background of Research.....	1
1.2. Problems Identification.....	3
1.3. The Scope of Study.....	4
1.4. Research Questions.....	4
1.5. Research Objectives.....	4
1.6. Significance of Research.....	4
1.7. Operational Definition.....	5
CHAPTER II. LITERATURE REVIEW.....	6
2.1. Motivation in Biological Learning.....	6
2.1.1. Biological Learning.....	6
2.1.2. Definition of Motivation.....	6
2.1.3. The Indicators of Student's Motivation.....	6
2.1.4. The Components of Students' Motivation.....	7
2.1.5. The Factors of Students' Motivation.....	9
2.2. Memory Retention in Learning.....	9
2.2.1. The Definition of Memory.....	9
2.2.2. The Stages of Memory.....	9
2.2.2. The Memory Retention's Principles.....	11
2.3. Student's Learning Outcome.....	12
2.3.1. Learning Outcome.....	12
2.3.2. Revised Bloom Taxonomy (Cognitive Domain).....	13

2.4. Team Games Tournament's Model	15
2.4.1. Games.....	15
2.4.3. The Syntax of Cooperative Learning.....	17
2.4.4. The Procedure of Team Games Tournament.....	18
2.4.5. The Benefit of Team Games Tournament Model.....	19
2.5. Conceptual Framework.....	19
2.6. Hypothesis.....	20
2.6.1. Research Hypothesis	20
2.6.2. Statistical Hypothesis.....	21
CHAPTER III. RESEARCH METHODOLOGY	22
3.1. Location and Time of Research	22
3.2 Population and Sample	22
3.3 Research Variable.....	23
3.4 Research Design.....	23
3.5 Research Instrument	23
3.6 Item Analysis of Research Instrument.....	27
3.6.1 Validity Test.....	27
3.6.2 Reliability Test.....	27
3.6.3 Item Difficulty	28
3.6.4 Item Discriminator Test	29
3.7. Research Procedure	30
3.7.1 Control Class	30
3.7.2. Experimental Class	31
3.8 Data Analysis Technique	33
3.8.1 Learning Outcome	33
3.8.2 Memory Retention.....	33
3.8.3 Motivation	33
3.9. Prerequisite Test Analysis.....	34
3.9.1 Normality.....	34
3.9.2 Homogeneity.....	34

CHAPTER 4. RESULT AND DISCUSSION	35
4.1 Results	35
4.1.1. Motivation of Students in Pretest.....	35
4.1.2 Motivation of Students in Post- Test.....	36
4.1.3. Learning Outcome of Students in Pretest.....	38
4.1.4. Learning Outcome of Students in Post- Test.....	39
4.1.5 Retention of Students	41
4.1.6. Test of Hypothesis	42
4.2. Discussion	43
4.2.1 Motivation of Students.....	43
4.2.2 Learning Outcome of Students	44
4.2.3 Retention of Students	46
CHAPTER 5	48
CONCLUSION AND DISCUSSION	48
5.1 Conclusion	48
5.2 Suggestion.....	48
REFERENCES	49