

TABLE OF CONTENT

Life Motto.....	i
Approval Page	ii
Originality Statement Sheet	iii
Approval of Publication Sheet	iv
Biography.....	v
Abstrak.....	vi
Abstract.....	vii
Foreword.....	viii
Table Of Content.....	x
List Of Tables	xii
List Of Appendix.....	xiii
CHAPTER I INTRODUCTION.....	1
1.1 Problem Background.....	1
1.2 Problem Identification	8
1.3 Scope of Study	9
1.4 Research Question.....	9
1.5 Scope of Problem	9
1.6 Problem Limitation	10
1.7 Research Objective	10
1.8 Research Benefit	10
1.9 Operational Definition	11
CHAPTER II THEORETICAL REVIEW	13
2.1 Learning Approach.....	13
2.2 SETS Approach.....	15
2.3 Problem Based Learning (PBL) Approach	19
2.4 Conventional Approach	21
2.5 Learning Outcomes	22
2.6 The Connection between the SETS Approach and Learning outcomes	23
2.7 Ecosystem Topic	23
2.8 Hypothesis	27
2.9 Framework of Thinking.....	28

CHAPTER III RESEARCH METHOD	29
3.1 Location and Time of Research	29
3.2 Research and Type Design	29
3.3 Research Variable	30
3.4 Population and Research Sample	31
3.5 Data Collection Technique	32
3.6 Research Instrument.....	33
3.7 Research Procedure.....	36
3.8 Trial of Research Instruments	38
3.8.1 Validity Test	38
3.8.2 Question Reliability Test	39
3.8.3 Problem Difficult Level Test	41
3.8.4 Discriminatory Power Question Test	42
3.9 Data Analysis	43
3.9.1 Normality Test.....	43
3.9.2 Test of Homogeneity Variance.....	44
3.9.3 Testing Hypothesis	44
CHAPTER IV RESULT AND DISCUSSIONS	46
4.1 Result	46
4.1.1 Student Learning Achievement Before the Application of SETS (Science, Environment, Technology, Society) Learning Approach	46
4.1.2 Differences In the Student Learning Achievement Through the Application of SETS, PBL, and Conventional Learning Approach.....	47
4.2 Requirements for Testing Data Analysis.....	49
4.2.1 Data Normality Test.....	50
4.2.2 Homogeneity Test	51
4.2.3 Hypothesis Testing.....	52
4.3 Discussion.....	54
CHAPTER V CONCLUSION	58
5.1 Conclusion	58
5.2 Suggestion	58
References	59