

## TABLE OF CONTENTS

PAGE OF APPROVAL .....	i
ACKNOWLEDGEMENT .....	ii
ABSTRACT .....	iii
CHAPTER 1 .....	1
INTRODUCTION.....	1
1.1 BACKGROUND.....	1
1.2 STATEMENT OF THE PROBLEM.....	3
1.3 THE PURPOSE OF THE STUDY .....	3
1.4 SIGNIFICANCE OF THE STUDY .....	4
1.6 DEFINITIONS OF TERMS .....	5
1.7 ORGANIZATION OF PAPER .....	6
CHAPTER 2.....	7
2.1 INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) .....	7
2.1.1 Definition .....	7
2.1.2 ICT as an instructional media .....	8
2.1.3 ICT-based learning in Education .....	9
2.1.4 ICT-based learning in EFL classes .....	14
2.1.5 Wiki as a learning tool .....	18
2.2 VOCABULARY .....	21
2.2.1 Definition of vocabulary .....	21
2.2.2 The importance of vocabulary .....	21
2.2.3 Issues in vocabulary acquisition .....	23
2.2.4 Approaches to vocabulary instruction .....	26
2.2.5 The teaching and learning of vocabulary .....	30
2.2.6 Teaching vocabulary through ICT .....	34
2.2.7 Teaching vocabulary through Wiki.....	36
2.2.8 Problems in teaching vocabulary through ICT .....	40

2.3 RELATED RESEARCH.....	42
2.4 CONCLUDING REMARK.....	44
CHAPTER 3.....	46
3.1 Research Design .....	46
3.2 Population and samples .....	47
3.2.1 Experimental group.....	48
3.2.2 Control group .....	49
3.3 Research hypothesis .....	49
3.4 Research instruments.....	50
3.4.1 Pre-test .....	50
3.4.2 Post-test.....	50
3.4.3 ICT-based learning: Wiki.....	50
3.4.4 Validity and reliability of the tests .....	52
3.5 Data collection.....	54
3.6 Data analysis.....	54
3.6.1 Normal Distribution Test .....	55
3.6.2 The independent t-test.....	55
3.7 Research Procedure .....	56
3.7.1 Administrating the pilot-test .....	56
3.7.2 Conducting the Treatment.....	56
3.7.3 Managing the pre-test and Post-test.....	57
CHAPTER 4.....	59
4.1 The process of the data collection .....	59
4.1.1 Pretest.....	60
4.1.2 Treatment of the experimental class .....	60
4.1.3 Learning activity of the control class .....	61
4.1.4 Post-test.....	62
4.2 The description of the data analysis .....	62
4.2.1 The Validity and Reliability of instruments.....	62
4.3 The analysis of main research requisition .....	63
4.4 The result of Pretest score .....	64

4.4.1 Normal distribution of test .....	64
4.4.2 Homogeneity of Variance Test .....	65
4.4.3 Independent t-test.....	65
4.5 The result of Post-test score .....	66
4.5.1 The normality distribution of test .....	67
4.5.2 Homogeneity of Variance Test .....	67
4.5.3 Independent t-test.....	68
4.5.4 The paired t-test .....	70
4.5.5 The result of Effect Size.....	70
4.6 Discussion.....	74
CHAPTER 5.....	79
5.1 Conclusion.....	79
5.2 Suggestions .....	80
REFERENCES .....	81
APPENDICES .....	91
APPENDIX A .....	92
APPENDIX B .....	126
APPENDIX C .....	139
APPENDIX D .....	148
APPENDIX E .....	149
APPENDIX F.....	150
APPENDIX G.....	153
APPENDIX H.....	154
APPENDIX I.....	155
APPENDIX J .....	156
APPENDIX K .....	157

## LIST OF TABLES

Table 1 Framework of research.....	47
Table 2 Category of Coefficient Correlation of validity.....	52
Table 3 Category of Coefficient Correlation of Reliability .....	53
Table 4 Criteria of Difficulty index .....	53
Table 5 Diagram of the data collection .....	54
Table 6 Index of the validity for the try out question test.....	63
Table 7 Test of Normality of pre-test.....	64
Table 8 Test of Homogeneity .....	65
Table 9 The Mean Scores and Standard Deviation of Pre-test of Control Group and Experimental Group .....	66
Table 10 The Independent Sample t-test of Pre-test Score .....	66
Table 11 Test of the normality .....	67
Table 12 Test of homogeneity.....	68
Table 13 The Mean Scores and Standard Deviation of Post-test of Control Group and Experimental Group .....	68
Table 14 The Independent Sample t-test of Post-test Score.....	69
Table 15 Paired t-test.....	70
Table 16 Vocabularies taught in Experimental and control group.....	72