

CONTENTS

	Page
CONTENTS	(9)
LIST OF TABLES	(11)
LIST OF FIGURES	(12)
CHAPTER	
1. INTRODUCTION	1
1.1 Rationale for the Study.....	1
1.2 Purposes of the Study.....	4
1.3 Expected Results.....	4
1.4 Scope and Limitations of the Study.....	4
1.5 Definitions of Terms.....	5
2. REVIEW OF RELATED LITERATURE	6
2.1 Grammar.....	6
2.1.1 Importance of Learning Grammar.....	6
2.1.2 Methods in Teaching Grammar.....	7
2.1.3 Thai University Students' Grammatical Errors and their Causes....	8
2.2 Using L1 in EFL Classroom.....	9
2.3 Computer-Assisted Language Learning.....	11
2.3.1 Effectiveness of Grammatical CALL Packages.....	11
2.3.2 Features of Well-Designed CALL lessons.....	17
3. RESEARCH METHODOLOGY	22
3.1 Subjects of the Study.....	22
3.2 Research Instruments.....	22
3.3 Data Collection.....	26
3.4 Data Analyses and the Statistical Devices.....	29

CONTENTS (Continued)

	Page
4. FINDINGS AND DISCUSSION.....	30
4.1 Students' Attitudes.....	30
4.1.1 Students' Attitudes towards the Grammatical CALL Packages.....	30
4.1.2 Students' Attitudes towards the Explanation Styles in the Grammatical CALL Packages.....	35
4.1.2.1 Results Obtained from the Questionnaires.....	36
4.1.2.2 Results Obtained from the Final Interview.....	39
4.1.2.3 Results Obtained from the Ongoing Interviews.....	50
4.2 The Effects of the Explanation Styles in the Grammatical CALL Packages on Students' Learning Outcomes.....	51
5. SUMMARY, IMPLICATIONS AND RECOMMENDATIONS.....	57
5.1 Summary of the Study.....	57
5.2 Implications for Teachers and CALL Designers.....	58
5.3 Recommendations for Further Research.....	59
REFERENCES.....	60
APPENDIX.....	67
A. COMPUTERIZED PRE-TESTS AND DELAYED POST-TESTS.....	68
B. COMPUTERIZED PROGRESS TESTS.....	75
C. SPECIALISTS IN THAI.....	82
D. SAMPLE OF THE CALL LESSONS.....	84
E. SAMPLE OF A STUDENT'S CLICK BACK HISTORY.....	89
F. QUESTIONNAIRES.....	91
G. QUESTIONS FOR INTERVIEWS.....	98
H. STUDENTS' RAW SCORES.....	101
I. FREQUENCY OF STUDENTS' CLICK BACK.....	104
J. DATA GAINED FROM ONGOING INTERVIEWS.....	106
VITAE.....	108

LIST OF TABLES

Table	Page
3.1 The Statistic Information from the Pilot Study.....	23
3.2 Numbers of the Students Using the Click Back.....	28
4.1 The Students' Attitudes towards the Grammatical CALL packages.....	32
4.2 Students' Attitudes from the Questionnaire Focusing on the Grammatical CALL Packages in 1 st Experiment.....	33
4.3 Students' Attitudes from the Questionnaire Focusing on the Grammatical CALL Packages in 2 nd Experiment.....	34
4.4 The Students' Attitudes towards the Two Explanation Styles from the Questionnaires.....	36
4.5 The Percentages of Students' Views towards the Explanation Styles from the Final Interview.....	40
4.6 The Average of Students' Interaction Time.....	45
4.7 The Students' Attitudes towards the Two Explanation Styles from the Ongoing Interviews.....	50
4.8 Comparisons of Pre-Test Means between Groups.....	52
4.9 Comparisons of Progress-Tests Means between Groups.....	52
4.10 Comparisons of Delayed Post-Tests Means between Groups.....	53
4.11 Comparisons of the Means between Pre-Tests and Delayed Post-Tests within Groups.....	54

LIST OF FIGURES

Figure	Page
2.1 Summary of Nagata's (1996) Research Design.....	13
2.2 Summary of Nutta's (1998) Research Design.....	15
2.3 Summary of Nagata's (1993) Research Design.....	18
3.1 Research Design.....	26