

TABLE OF CONTENT

COVER PAGE	ii
SHEET OF APPROVAL	iii
SHEET OF CERTIFICATION	iv
DECLARATION OF AUTHORSHIP	v
DEDICATION	vi
MOTTO	vii
ABSTRACT	viii
ACKNOWLEDGEMENTS	ix
TABLE OF CONTENT	x
LIST OF TABLES	xii
LIST OF FIGURES	xiii
LIST OF APPENDICES	xiv
CHAPTER I	1
1.1 Research Context.....	1
1.2 Research Focuses	8
1.3 Research Objective.....	9
1.4 Research Significances	10
1.5 Research Scope and Limitation	11
1.6 Definition of Key Terms.....	12
CHAPTER II	15
2.1 Digital Assessment	15
2.1.1 Definition of Digital Assessment.....	15
2.1.2 Preparation of Digital Assessment.....	16
2.1.3 Implementation of Digital Assessment.....	17
2.1.4 Evaluation of Digital Assessment.....	18
2.1.5 Challenges of Digital Assessment.....	19
2.2 Teachy Application	21
2.3 Discussion Text.....	22
2.4 Grammar.....	24
2.4.1 Definition of Grammar	24
2.4.2 Grammar Mastery	25

2.5 Relevant Studies	27
2.6 Conceptual Framework	28
CHAPTER III	29
3.1 Research Approach and Design.....	29
3.1.1 Research Approach	29
3.1.2 Research Design	30
3.2 Research Setting	32
3.2.1 Place.....	32
3.2.2 Time	32
3.3 Researcher Presence	33
3.4 Research Subject	34
3.5 Data Collection Method	35
3.5.1 Interview	35
3.5.2 Observation.....	36
3.5.3 Documentation.....	37
3.6 Data Analysis.....	38
3.6.1 Technique of Data Analysis	38
3.6.2 Instrument of Data Analysis	39
3.7 Checking Validity	41
3.7.1 Data Credibility.....	41
3.7.2 Data Dependability	42
3.7.3 Data Transferability	43
3.7.4 Data Confirmability	44
CHAPTER IV.....	45
4.1 Data Presentation.....	45
4.2 Data Analysis.....	62
4.3 Research Findings	72
4.4 Research Discussion.....	81
CHAPTER V	89
5.1 Conclusion.....	89
5.2 Implications	91
5.2.1 Theoretical implications.....	91
5.2.2 Practical Implications	92
5.3 Suggestion	93
REFERENCES.....	94
APPENDICES	98

LIST OF TABLES

Table 2.1: Relevant Study.....	27
Table 4.1: Open coding teacher interview	62
Table 4.2: Open coding student interview implementation focus	64
Table 4.3: Open coding student interview evaluation focus.....	65
Table 4.4: Open coding student interview challenge focus	66
Table 4.5: Open Coding Observation	67
Table 4.6: Open Coding Documentation	68
Table 4.7: Axial Coding.....	69
Table 4.8: Selective Coding.....	70

LIST OF FIGURES

Figure 2.1: Conceptual Framework	28
Figure 3.1: Single Case Study Design	31
Figure 3.2: Data analysis framework	39
Figure 4.1: Automated Score Summary Generated by Teachy	54
Figure 4.2: Item Analysis Display on Teachy	54
Figure 4.3: Mobile-Based Interface and Answer Format on Teachy	57
Figure 4.4: Interrupted Access Due to Unstable Connection	59
Figure 4.5: Conceptual Research Model.....	79

LIST OF APPENDICES

Appendix 1: Research Protocol.....	99
Appendix 2: Codification List	112
Appendix 3: Triangulation Format.....	113
Appendix 4: Teaching Module.....	114
Appendix 5: Students Assessment Score	122
Appendix 6: Certificate of Research Permission	124
Appendix 7: Documentations.....	128