

TABLE OF CONTENT

ABSTRACT	i
APPROVAL	ii
DECLARATION OF AUTHENTICITY	iii
BIOGRAPHY	iv
PREFACE	v
AKCNOWLEDGMENT	vi
TABLE OF CONTENT	viii
TABLE OF FIGURE	xii
LIST OF TABLES	xiii
TABLE OF APPENDICES	xiv
CHAPTER I INTRODUCTION.....	1
A. Research Background.....	1
B. Research Questions	4
C. Research Purposes.....	4
D. Research Significances.....	4
1. Theoretical Significance.....	4
2. Practical Significance.....	5
E. Research Scope	5
F. Conceptual Framework	6
G. Research Hypoteses	7
H. Previous Studies	8
CHAPTER II LITERATURE REVIEW	11
A. English for Specific Purposes (ESP).....	11

1.	Definition of English for Specific Purposes (ESP).....	11
B.	Vocabulary in Visual Communication Design Context.....	13
1.	Definition of Vocabulary in Visual Communication Design.....	13
2.	Types of Technical Terms in Visual Communication Design	13
3.	The Importance of Vocabulary Mastery for VCD Students	15
C.	Vocabulary in Language Learning	16
1.	Definition of Vocabulary	16
2.	The Importance of Vocabulary in EFL Learning	16
3.	Vocabulary Mastery in Language Skills	17
D.	Technical Vocabulary in ESP Context.....	17
1.	Definition of Technical Vocabulary	17
2.	Characteristics of Technical Vocabulary	18
3.	The Role of Technical Vocabulary in Vocational Education.....	19
E.	Vocabulary Acquisition Theory.....	19
1.	Theory of Vocabulary Learning	20
2.	Aspects of Vocabulary.....	20
3.	Principles of Vocabulary Learning (Repetition, Context, Exposure)....	21
F.	Procedure Text in Language Learning	21
1.	Definition of Procedure Text.....	22
2.	Generic Structure of Procedure Text (Goal, Materials, Steps).....	22
3.	Language Features of Procedure Text.....	22
4.	The Role of Procedure Text in Vocabulary Learning.....	23
G.	Computer-Assisted Language Learning (CALL).....	24
1.	Definition of CALL.....	24
2.	Principles of CALL (Interaction, Feedback, and Learner Autonomy)..	24

3.	The Role of CALL in Vocabulary Learning.....	25
H.	Artificial Intelligence in Language Learning.....	25
1.	Definition of Artificial Intelligence in Education	26
2.	The Role of AI in English Language Teaching	26
3.	Benefits and Challenges of AI-Assisted Learning	27
I.	Dola AI as a Learning Tool	27
1.	Definition and Overview of Dola AI.....	27
2.	Features of Dola AI in Learning.....	28
3.	Advantages of Dola AI in Vocabulary Learning	28
4.	The Relevance of Dola AI for Vocational Students	29
J.	Using Dola AI to Teach Technical Vocabulary	29
1.	Dola AI for Technical Vocabulary Learning	29
2.	The Integration of Dola AI, Procedure Text, and Technical Vocabulary	30
3.	The Potential of Dola AI in Improving Technical Vocabulary Mastery	31
CHAPTER III METHODOLOGY		33
A.	Research Design.....	33
B.	Data Source	34
C.	Research Site and Respondents.....	35
1.	Research Site.....	35
2.	Research Respondents.....	36
D.	Research Instruments and Procedure	37
1.	Research Instruments	37
2.	Research Procedure.....	47
E.	Data Collection Technique	48

G. Research Timeline	57
CHAPTER IV FINDINGS AND DISCUSSIONS	58
A. Research Findings	58
1. The Students' Technical Vocabulary Mastery before the Use of Dola AI 58	
2. The Students' Technical Vocabulary Mastery after the Use of Dola AI	60
3. The Significant Difference between Students' Technical Vocabulary Mastery Before and After the Use of Dola AI	68
B. Discussions.....	74
1. The Students' Technical Vocabulary Mastery Before the Use of Dola AI 74	
2. The Students' Technical Vocabulary Mastery After the Use of Dola AI	76
3. The Significance Difference Between Students Technical Vocabulary Mastery Before and After the Use of Dola AI	78
CHAPTER V CONCLUSIONS AND SUGGESTIONS	81
A. Conclusions	81
B. Suggestions	82
1. For Students	82
2. For English Teachers	82
3. For Future Researchers	83
REFERENCES.....	85
LIST OF APPENDICES.....	92

TABLE OF FIGURE

Figure 1. 1 Conceptual Framework.....	6
Figure 4. 1 Administering Pre-Test	59
Figure 4. 2 The First Treatment.....	61
Figure 4. 3 The Second Treatment	62
Figure 4. 4 The Third Treatment	64
Figure 4. 5 The Fourth Treatment	65
Figure 4. 6 Administering Post-Test.....	66



LIST OF TABLES

Table 2. 1	Examples of Technical Vocabulary in Visual Communication Design	14
Table 3. 1	Pre Experimental Research Design	34
Table 3. 2	Population of Research	36
Table 3. 3	Indicators and Item Distribution of Technical Vocabulary Test	38
Table 3. 4	Validity Test Result	40
Table 3. 5	Indicators and Item Distribution of Valid Technical Vocabulary Test ..	42
Table 3. 6	The Cronbach's Alpha Coefficient	43
Table 3. 7	Reliability Test Result.....	44
Table 3. 8	The Level of Difficulty	45
Table 3. 9	Result of the Question Difficulty Level.....	45
Table 3. 10	N-Gain Criteria	56
Table 3. 11	N-Gain Effectiveness Interpretation Categories	56
Table 3. 12	Schedule of Research.....	57
Table 4. 1	Results of Pre-Test.....	59
Table 4. 2	Descriptive statistics of Pre-Test	60
Table 4. 3	Results of Post-Test	67
Table 4. 4	Descriptive Statistics of Post-Test	68
Table 4. 5	Result of Pre-Test and Post-Test.....	68
Table 4. 6	Descriptive Statistics of Pre-Test and Post-Test	69
Table 4. 7	Result of Normality Test.....	70
Table 4. 8	Histogram of Pre-Test.....	70
Table 4. 9	Histogram of Post-Test	71
Table 4. 10	Results of Homogeneity Test.....	71
Table 4. 11	Result of Paired Sample t-Test.....	72
Table 4. 12	N-Gain Test Classification.....	73
Table 4. 13	Results of N-Gain Test.....	74

TABLE OF APPENDICES

Appendix A. 1 Statement Letter of Research Supervisor.....	92
Appendix A. 2 Research Permission letter.....	93
Appendix A. 3 Declaration Letter	94
Appendix A. 4 Research Completion Letter from the School.....	96
Appendix B. 1 Instrument Pre-Test.....	97
Appendix B. 2 Instrument Post-Test	100
Appendix C. 1 Procedure Text 1	103
Appendix C. 2 Procedure Text 2	104
Appendix C. 3 Procedure Text 3	105
Appendix C. 4 Lesson Plan 1	106
Appendix C. 5 Lesson Plan 2.....	108
Appendix C. 6 Lesson Plan 3.....	110
Appendix C. 7 Lesson Plan 4.....	112
Appendix D. 1 Documentation	115
Appendix D. 2 Plagiarism Check Result.....	118
Appendix D. 3 Grammarly Check Result	118

