

TABLE OF CONTENT

APPROVAL SHEET	ii
VALIDATION SHEET	iii
AUTHENTICITY STATEMENT	iv
ABSTRACT	v
ABSTRAK	vi
ACKNOWLEDGEMENT.....	vii
TABLE OF CONTENT.....	ix
LIST OF FIGURES	xii
LIST OF TABLES	xiii
LIST OF APPENDIXES	xv
CHAPTER I INTRODUCTION.....	1
A. Background of the Problem	1
B. Identification of the Problem	4
C. Limitation of the Problem	4
D. Formulation of the Problem	5
E. The Objective of the Research	5
F. Significant of the Research	5
CHAPTER II THEORITICAL FRAMEWORK.....	7
A. Description of Theory	7
1. Speaking.....	7
2. Mobile Assisted Language Learning (MALL)	27
3. Artificial Intelligence	27
B. Relevant Studies.....	37

C.	Conceptual Framework	42
D.	Research Hypothesis	43
CHAPTER III RESEARCH METHODOLOGY		44
A.	Time and Place of the Research	44
B.	Research Method.....	45
C.	Population and Sample.....	46
1.	Population	46
2.	Sample.....	47
D.	Data Collection Technique.....	48
1.	Pre-Test	48
2.	Treatment	48
3.	Post-Test.....	48
E.	Instruments of Dependent Variable	49
1.	Conceptual Definition	49
2.	Operational Definition	49
3.	Test Specification.....	50
4.	Test of Validity and Reliability of the Instrument	53
F.	Instruments of Independent Variable	54
1.	Conceptual Definition	54
2.	Operational Definition	55
G.	The Statistical Hypothesis.....	55
1.	Hypothesis Statistic of Pre-Test	56
2.	Hypothesis Statistic of Post-Test	56
H.	Technical of Data Analysis	57
1.	Descriptive Statistics	57
2.	Inferential Statistics.....	63
CHAPTER IV RESEARCH FINDING RESULT AND DISCUSSION.....		71
A.	The Description of Data	71
1.	Description of the Research Process	71

2. Presentation of Pre-test Data Experimental and Control Group	72
3. Presentation of Post-test Data Experimental and Control Group	81
B. Inferential Data Analysis.....	90
1. Normality Test	90
2. Homogeneity Test	93
3. Hypothesis Test	95
C. Research Discussion.....	96
D. Research Limitation	99
CHAPTER V CONCLUSION AND SUGESSTION	101
A. Conclusion.....	101
B. Suggestion	101
REFERENCES.....	102

LIST OF FIGURES

Figure 2.1 Type of Speaking	10
Figure 2.2 Create an Account in Sivi Application	34
Figure 2.3 fill in personal data	35
Figure 2.4 Features of Sivi	36
Figure 2.5 ARYA AI Feature	36
Figure 4.1 Histogram Graph of Pre-Test Experimental Class	71
Figure 4.2 Polygon Graph of Pre-Test Experimental Class	72
Figure 4.3 Students Pre-Test Score in the Experimental Class.....	73
Figure 4.4 Histogram Graph of Pre-Test Controlled Class.....	75
Figure 4.5 Polygon Graph of Pre-Test Controlled Class	76
Figure 4.6 Students Pre-Test Score in the Controlled Class	77
Figure 4.7 Histogram Graph of Post-Test Experiment Class.....	78
Figure 4.8 Polygon Graph of Post-Test Experimental Class	79
Figure 4.9 Ogive Post-Test Experiment Class	82
Figure 4.10 Controlled Class Post-Test Histogram.....	84
Figure 4.11 Polygon Graph of Post-Test Controlled Class.....	85
Figure 4.12 Ogive Graph of Post-Test Controlled Class	86
Figure 4.13 Boxplot Graph of Pre-Test Controlled Class.....	90
Figure 4.14 Boxplot Graph of Pre-Test Experiment Class	91

LIST OF TABLES

Table 3.1 Timeline of the Research.....	44
Table 3.2 Sample Design of Quasi-Experiment.....	46
Table 3.3 The Number of Population	46
Table 3.4 Test Specification.....	50
Table 3.5 Rubric of Speaking.....	51
Table 4.1 Table of Frequency Distribution of Experimental Class.....	70
Table 4.2 Table of Distribution Frequency of Cumulative	72
Table 4.3 Frequency Distribution Pre-Test Controlled Class	74
Table 4.4 Table of Distribution Frequency of Cumulative	76
Table 4.5 Data Presentation of Experiment and Controlled Class Pre Test.....	78
Table 4.6 Distribution Frequency Table of the Experiment Class Post-Test.....	79
Table 4.7 Distribution Cumulative Frequency Table of the Post-Test in Experiment Class	81
Table 4.8 Distribution Frequency Table of the Controlled Class Post-Test.....	83
Table 4.9 Distribution Cumulative Frequency Table of the Post-Test in Controlled Class	85
Table 4.10 Data Presentation of Experiment and Controlled Class Post-Test	87
Table 4.11 Normality Shapiro – Wilk Test Experiment Class.....	88
Table 4.12 Normality Shapiro – Wilk Test Controlled Class	89
Table 4.13 Test of Homogeneity of Variance of Pre-test.....	92
Table 4.14 Test of Homogeneity of Variance of Post-test	93

Table 4.15 Mann Whitney U Test Post-Test and Pre-Test Experiment and
Controlled Class94

LIST OF APPENDIXES

Appendix 1 Appointment Letter of Mini Thesis Advisory Team.....	109
Appendix 2 Letter of Title Changing	111
Appendix 3 Research Permit Application Letter	112
Appendix 4 Research Instrument (Experiment Class)	113
Appendix 5 Research Instrument (Controlled Class).....	114
Appendix 6 Lesson Plan (Experiment Class).....	115
Appendix 7 Lesson Plan (Controlled Class)	121
Appendix 8 Students' Answer Sheet of Pre-Test (Experiment Class).....	127
Appendix 9 Students' Answer Sheet of Post-Test (Experiment Class)	128
Appendix 10 Students' Answer Sheet of Pre-Test (Controlled Class)	129
Appendix 11 Students' Answer Sheet of Post-Test (Controlled Class).....	130
Appendix 12 Validity by 1 st Professional Judgement	131
Appendix 13 Validity by 2 nd Professional Judgement	135
Appendix 14 Research Letter from School	138
Appendix 15 Guidance Journal (1 st Advisor).....	139
Appendix 16 Guidance Journal (2 nd Advisor).....	141
Appendix 17 Recapitulation of Student's Score (Experiment Class)	143
Appendix 18 Recapitulation of Student's Score (Controlled Class).....	144
Appendix 19 Documentation	145