

## TABLE OF CONTENTS

|                                                           |      |
|-----------------------------------------------------------|------|
| DECLARATION OF AUTHENTICITY .....                         | II   |
| ABSTRACT .....                                            | III  |
| APPROVAL .....                                            | IV   |
| PREFACE .....                                             | V    |
| ACKNOWLEDGMENT .....                                      | VI   |
| TABLE OF CONTENTS .....                                   | VIII |
| LIST OF TABLE .....                                       | XI   |
| LIST OF FIGURE .....                                      | XII  |
| CHAPTER I INTRODUCTION .....                              | 1    |
| 1. Background of the Research .....                       | 1    |
| 2. Research Problems .....                                | 4    |
| 3. Research Questions .....                               | 4    |
| 4. Purposes of the Study .....                            | 5    |
| 5. Significance of the Research .....                     | 6    |
| 6. Conceptual Framework .....                             | 6    |
| 7. Contributions of the Study .....                       | 8    |
| 8. Research Hypothesis .....                              | 9    |
| CHAPTER II LITERATURE REVIEW .....                        | 11   |
| 1. The Nature of Grammar in ELT .....                     | 11   |
| 1.1 Definition and Importance of Grammar .....            | 12   |
| 1.2 Approaches to Teaching Grammar .....                  | 13   |
| 1.3 Problems in Learning Grammar .....                    | 16   |
| 2. Microlearning: A Modern Pedagogical Approach .....     | 18   |
| 2.1 Definition and Characteristics of Microlearning ..... | 19   |
| 2.2 Theoretical Foundations of Microlearning .....        | 20   |
| 2.3 Benefits of Microlearning in Language Learning .....  | 22   |
| 3. Differentiated Instruction (DI) .....                  | 23   |
| 3.1 Definition of Differentiated Instruction .....        | 24   |
| 3.2 Key Elements of Differentiation .....                 | 25   |
| 3.2.1 Differentiation of Content .....                    | 25   |

|                                                                                                                    |     |
|--------------------------------------------------------------------------------------------------------------------|-----|
| 3.2.2 Differentiation of Process .....                                                                             | 26  |
| 3.2.3 Differentiation of Product .....                                                                             | 26  |
| 3.2.4 Differentiation of Learning Environment .....                                                                | 26  |
| 4. Integrating Microlearning and Differentiated Instruction for Grammar.....                                       | 27  |
| 4.1 Conceptualizing Microlearning-Based Differentiated Instruction.....                                            | 28  |
| 4.2 Enhancing Grammar Mastery through MBDI .....                                                                   | 30  |
| 4.3 Procedural Framework of MBDI .....                                                                             | 31  |
| 5. Previous Studies .....                                                                                          | 33  |
| CHAPTER III RESEARCH METHODOLOGY .....                                                                             | 39  |
| 1. Research Methods .....                                                                                          | 39  |
| 2. Resources of Data .....                                                                                         | 42  |
| 3. Research Schedule .....                                                                                         | 44  |
| 4. Research Setting and Participants .....                                                                         | 48  |
| 5. Techniques of Collecting Data.....                                                                              | 49  |
| 5.1 Data Collection.....                                                                                           | 50  |
| 5.2 Treatment Procedure .....                                                                                      | 52  |
| 6. Research Instruments .....                                                                                      | 56  |
| 7. Techniques of Data Analysis .....                                                                               | 63  |
| 8. Research Ethics .....                                                                                           | 66  |
| CHAPTER IV RESEARCH FINDINGS AND DISCUSSION .....                                                                  | 68  |
| 1. Research Findings .....                                                                                         | 68  |
| 1.1. Research Implementation.....                                                                                  | 68  |
| 1.1.1. Pretreatment Stage .....                                                                                    | 68  |
| 1.1.2. Treatment Stage: Implementation of MBDI.....                                                                | 72  |
| 1.1.3. Treatment Stage: Implementation of MBDI.....                                                                | 85  |
| 1.2. RQ1. Effectiveness of microlearning based on differentiated instruction on students' grammar achievement..... | 87  |
| 1.2.1. Descriptive Statistics of Pre-Test and Post-Test Scores.....                                                | 87  |
| 1.2.2. Normality Test.....                                                                                         | 90  |
| 1.2.3. Homogeneity Test .....                                                                                      | 92  |
| 1.2.4. Paired Sample t-Test .....                                                                                  | 95  |
| 1.2.5. Independent Sample t-Test.....                                                                              | 98  |
| 1.2.6. N-Gain Analysis .....                                                                                       | 102 |
| 1.2.7. Effect Size Analysis .....                                                                                  | 107 |

|                                                                                          |     |
|------------------------------------------------------------------------------------------|-----|
| 1.2.8. Conclusion for research question 1 findings .....                                 | 109 |
| 1.3 RQ2. Students' perceptions of microlearning based on differentiated instruction..... | 112 |
| 1.3.1 Design of MBDI Content .....                                                       | 112 |
| 1.3.2 Instructional Flow of MBDI.....                                                    | 115 |
| 1.3.3 Grouping Based on Student Ability .....                                            | 118 |
| 1.3.4 Differentiation Based on Interests and Learning Profiles .....                     | 121 |
| 1.3.5 Autonomy and Learning Engagement in MBDI .....                                     | 125 |
| 1.3.6 Perception of Grammar Achievement Support .....                                    | 129 |
| 1.3.7 Summary for research question 2 findings.....                                      | 132 |
| 2 Discussion .....                                                                       | 135 |
| 2.1 Discussion of RQ 1 .....                                                             | 135 |
| 2.2 Discussion of RQ 2 .....                                                             | 145 |
| CHAPTER V CONCLUSION AND RECOMMENDATIONS .....                                           | 153 |
| 1. Conclusion .....                                                                      | 153 |
| 2. Limitations of the Study.....                                                         | 156 |
| 3. Recommendations .....                                                                 | 157 |
| 3.1 For Teacher .....                                                                    | 157 |
| 3.2 For Learners .....                                                                   | 157 |
| 3.3 For Other Researchers.....                                                           | 158 |
| REFERENCES.....                                                                          | 159 |