

LIST OF APPENDIX

	Page
Appendix 1 Syllabus of Chemistry Subject	60
Appendix 2 Lesson Plan of Collaborative Learning	64
Appendix 3 Lesson Plan of Direct Instructional Method	73
Appendix 4 Validity of Instrument by Validator	82
Appendix 5 Instrument Test	93
Appendix 6 Test Categories	99
Appendix 7 Observation Sheet	101
Appendix 8 Student Worksheet	103
Appendix 9 Data pretest and posttest	107
Appendix 10 Validity of Item Test	109
Appendix 11 Difficulty of Item Test	112
Appendix 12 Discriminating of Item Test	115
Appendix 13 Reliability of Item Test	118
Appendix 14 Data of Normalized Gain	120
Appendix 15 Homogeneity Pretest	122
Appendix 16 Homogeneity Gain	123
Appendix 17 Normality of Pretest	126
Appendix 18 Normality of Normalized Gain	128
Appendix 19 Hypothesis Testing	129

Appendix 20 Level Cognitive Aspect	131
Appendix 21 Collaborative Learning Observation Value	138
Appendix 22 Table of Distribution F Value	139
Appendix 23 Table of r-Product Moment	142
Appendix 24 Table of Chi Square	143
Appendix 25 Table Distribution of t Value	144
Appendix 26 Documentation	145