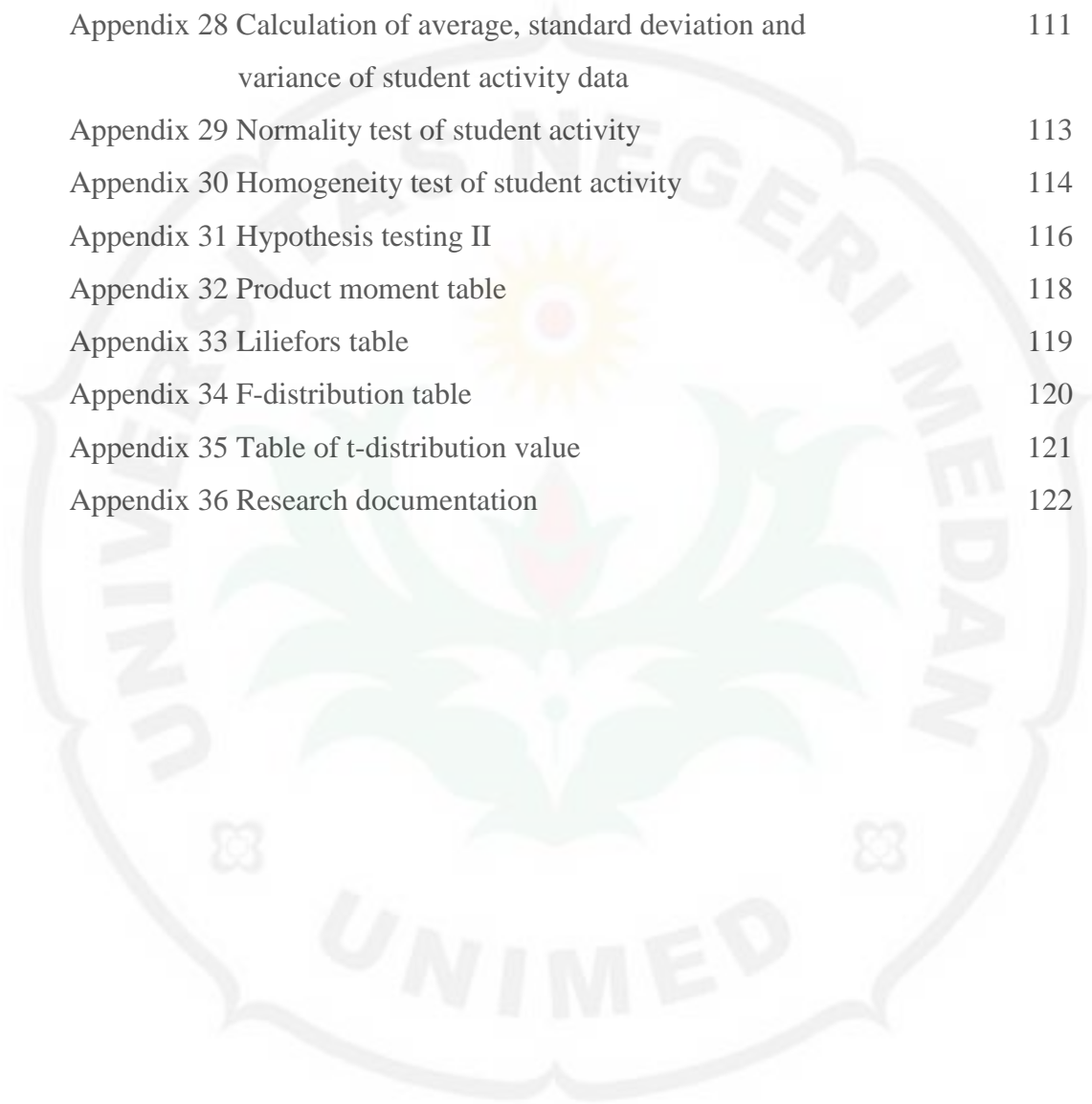


## LIST OF APPENDIX

	<b>Page</b>
Appendix 1 Syllabus	49
Appendix 2 Lesson plan of experimental class	51
Appendix 3 Lesson plan of control class	55
Appendix 4 Questionnaire result with the biology teacher	60
Appendix 5 Student's scores of first examination	63
Appendix 6 Research instrument	67
Appendix 7 Answers of research instrument	73
Appendix 8 Analysis of the lattice question	74
Appendix 9 Student Observation sheet	75
Appendix 10 Table of individual assessment	77
Appendix 11 Student's worksheet 1	78
Appendix 12 Student's worksheet 2	80
Appendix 13 Calculation of validity instrument	81
Appendix 14 Instrument validity	82
Appendix 15 Table of instrument validity	83
Appendix 16 Calculation of reliability test	84
Appendix 17 Instrument reliability	85
Appendix 18 Calculation of difficulty index	86
Appendix 19 Table of difficulty index	87
Appendix 20 Calculation of discrimination power	88
Appendix 21 Table of discrimination power	89
Appendix 22 Result of research data scores of pre-test and post-test	90
Appendix 23 Calculation of average, standard deviation and variance of pre-test and post-test	92
Appendix 24 Normality test of learning outcome	95
Appendix 25 Homogeneity test of learning outcome	97
Appendix 26 Hypothesis test I	100
Appendix 27 Result of research data of students activity	103

Appendix 28 Calculation of average, standard deviation and variance of student activity data	111
Appendix 29 Normality test of student activity	113
Appendix 30 Homogeneity test of student activity	114
Appendix 31 Hypothesis testing II	116
Appendix 32 Product moment table	118
Appendix 33 Liliefors table	119
Appendix 34 F-distribution table	120
Appendix 35 Table of t-distribution value	121
Appendix 36 Research documentation	122



THE  
*Character Building*  
UNIVERSITY