

## CONTENTS

	PAGES
TITLE PAGE .....	i
APPROVEMENT PAGE.....	ii
PAGE OF CERTIFICATION .....	iv
ABSTRAKSI .....	v
ABSTRACT.....	vi
ACKNOWLEDGMENT.....	vii
CONTENTS.....	ix
LIST OF TABLES .....	xiv
LIST OF FIGURES .....	xvi
LIST OF APPENDIXES.....	xix
CHAPTER I INTRODUCTION.....	1
1.1. Background.....	1
1.2. Problem Statement.....	12
1.3. Objective and Contribution of The Study.....	12
CHAPTER II LITERATURE REVIEW AND THEORITICAL FRAMEWORK.....	14
2.1. Literature Review.....	14
2.1.1.Theories of Poverty.....	14
2.1.1.1. Definition of Poverty.....	14
2.1.1.2. Measuring Poverty.....	20
2.1.1.3. Determinant of Poverty.....	24

2.1.2. Growth Theories .....	24
2.1.2.1. Classical Economics Growth Theory .....	24
2.1.2.2. Solow-Swan Growth Model.....	31
2.1.3. Income Inequality .....	39
2.1.3.1. Theories of Income Distribution .....	39
2.1.3.2. Income Distribution Measurement.....	43
2.1.4. Trickle Down Effect Theory .....	49
2.1.5. Relationship between Variables.....	50
2.1.5.1. Poverty, Growth and Inequality Relationship .....	51
2.1.5.2. Determinants of Growth.....	54
2.1.5.3. Determinants of Income Inequality.....	57
2.1.6 Preliminary Research .....	60
2.2. Theoretical Framework and Hypothesis .....	65
2.2.1. Theoretical Framework .....	65
2.2.2. Hypothesis.....	70
CHAPTER III RESEARCH METHOD .....	72
3.1 Variable Definition .....	72
3.2 The Data and Collection Method .....	73
3.3 Technical Analysis.....	74
3.3.1. Panel Data .....	76
3.3.2. Choosing The Model.....	79
3.3.2.1 Restricted F-test .....	79
3.3.2.2 Hausman Test .....	80

3.4	Statistic Test .....	80
3.4.1	Coefficient Determinant Test ( $R^2$ ) .....	80
3.4.2.	Simultaneous Test (F-test) .....	81
3.4.3.	Partial Test ( t Test) .....	81
3.5.	Classical linear regression model.....	82
3.5.1.	Normality Test .....	82
3.5.2.	Multicollinearity Detection.....	83
3.5.3.	Heteroskedasticity Detection .....	84
3.5.4.	Autocorrelation Detection.....	85
CHAPTER IV GENERAL DATA DESCRIPTION .....		86
4.1.	Economic Growth .....	86
4.2.	Poverty .....	89
4.3.	Dependency Ratio .....	92
4.4.	Minimum Wage .....	95
4.5.	Gini Index .....	97
4.6.	Urban Ratio .....	99
4.7.	Share Output Hold by Capitalist.....	101
4.8.	Employment.....	104
4.9.	Human Development Index .....	106
CHAPTER V RESULT AND DISCUSSION .....		110
5.1.	Data Analysis and Discussion.....	110
5.1.1.	Panel Data Identification.....	110
5.1.1.1.	Pooled Least Square vs Fixed Effect Model .....	110

5.1.1.2. Fixed Effect Model vs Random Effect Model .....	110
5.1.2. Test of Normality .....	111
5.1.3. Classical Normal Linear Model Test .....	112
5.1.3.1. Multicollinearity .....	112
5.1.3.2. Heteroscedasticity .....	114
5.1.3.3. Autocorrelation.....	115
5.1.4. Equation Identification.....	115
5.2. Statistic Testing.....	116
5.2.1. The Coefficient of Determination ( $R^2$ ) .....	117
5.2.2. F-test .....	118
5.2.3. T-test .....	119
5.3. Discussion .....	120
5.3.1. Poverty Model.....	120
5.3.2. Economic Growth Equation.....	123
5.3.3. Inequality Equation .....	125
5.3.4. Structural-Simultaneous-Poverty's Equation.....	128
5.3.4.1. Human Development Index .....	129
5.3.4.2. Employment .....	129
5.3.4.3. Input Distribution ( $Ineq_{t-1}$ ) .....	130
5.3.4.4. Profit Share (Q) .....	131
5.3.4.5. Urbanization .....	131
5.3.4.6. Wage.....	132
5.3.4.7. Dependency Ratio .....	133

CHAPTER VI CLOSING .....	134
6.1. Conclusion .....	134
6.2. Suggestion .....	135
BIBLIOGRAPHY	
APPENDIX	
CURRICULUM VITAE	

## LIST OF TABLES

Table 2.1 Indicators on Human Development Report United Nations Development Program (UNDP).....	23
Table 2.2 Preliminary Research .....	54
Table 3.1 Variable Definition .....	65
Table 4.1 Maximum-Minimum Value's Economic Growth Data of 35 Regencies In Central Java 2002 till 2011 .....	88
Table 4.2 Maximum-Minimum Value's Poverty of 35 Regencies In Central Java 2002 till 2011.....	91
Table 4.3 Maximum-Minimum Value's Poverty of 35 Regencies In Central Java 2002 till 2011 (Percent).....	92
Table 4.4 Maximum-Minimum Value of Dependency Ratio of 35 Regencies In Central Java 2002 till 2011 (Percent).....	94
Table 4.5 Maximum-Minimum Value of Minimum Wage in 35 Regencies of Central Java during 2002 till 2011 (Rupiah).....	96
Table 4.6 Maximum-Minimum Value of Gini Index in 35 Regencies of Central Java During 2002 till 2011 .....	98
Table 4.7 Maximum-Minimum Value of Urban Ratio 35 Regencies of Central Java During 2002 till 2011 .....	101
Table 4.8 Maximum-Minimum Value of Capitalist Output Share in 35 Regencies of Central Java during 2002 till 2011 .....	103

Table 4.9 Maximum-Minimum Value of Employment in 35 Regencies of Central Java during 2002 till 2011 .....	106
Table 4.10 Maximum-Minimum Value of HDI in 35 Regencies of Central Java during 2002 till 2011 .....	109
Table 5.1 Result of Chow Test.....	110
Table 5.2.Fixed Effect Model atau Random Effect Model Determination.....	111
Table 5.3 Multicollinearity Detection Rule of Thumb 1 ( $\alpha$ 5%) .....	112
Table 5.4 Examination Partial Correlation.....	113
Table 5.5 Sum Square Residual .....	114
Table 5.6 Output Durbin Watson .....	115
Table 5.7 Identification of Simultaneous Equation .....	116
Table 5.8 Final Estimation .....	116
Table 5.9 Output of F-test .....	118
Table 5.10 Output of T-test .....	119
Tabel 5.11 Rate Growth of Sectoral Productivity in Central Java 2002-2011 (Percent).....	127

## LIST OF FIGURES

Figure 1.1 Poverty of Central Java 2002-2011 (Percent and Millions People)	5
Figure 1.2 Poverty of West Java, Central Java, Yogyakarta, East Java and Indonesia 2002-2011 (Percent).....	6
Figure 1.3 Poverty of 35 Regencies in Central Java 2011 (Percent) .....	7
Figure 1.4 Central Java Economic Growth, 2001-2011.....	8
Figure 1.5 Economic Growth of 35 Regencies Central Java 2011 .....	9
Figure 1.6 Gini Index of Central Java 2000-2011.....	10
Figure 1.7 Inequality of 35 Regencies in Central Java 2011 .....	11
Figure 2.1 Broadening The Concept of Poverty .....	19
Figure 2.2 Adam Smith’s Growth Illustration .....	27
Figure 2.3 The Law of Diminishing Return on Richardo Growth Theory .....	31
Figure 2.4 The Simple Process of Neoclassical Growth.....	32
Figure 2.5 Intensive Production Function.....	35
Figure 2.6 Steady-State Growth.....	37
Figure 2.7 The Solow-Swan Phase Diagram .....	38
Figure 2.8 The Lorenz Curve and the Equidistribution Line.....	46
Figure 2.9 The Lorenz Curve and Gini Index.....	47
Figure 2.10 Poverty, Growth and Inequality Relationship .....	51
Figure 2.11 Decomposition of Change in Distribution and Poverty Growth and Distributional Effects .....	53
Figure 4.1 Central Java’s Economic Growth During 2002 to 2011 (Percent).....	86



Figure 4.2 Summary of Economic Growth Data's (Percent).....	88
Figure 4.3 Central Java's Poverty Number During 2002 to 2011.....	83
Figure 4.4 Summary of Poverty's Data 35 Regencies (Thousand People).....	90
Figure 4.5 Poverty's Summary of 35 Regencies in Central Java During 2002 till 2011 (Percent).....	91
Figure 4.6 Central Java's Dependencies Ratio 2002 till 2011 .....	93
Figure 4.7 Summary of Dependencies Ratio's Data in 35 Regencies of Cen- tral Java 2002 between 2011 .....	94
Figure 4.8 Wage Data's Summary of 35 Regencies in Central Java During 2002 till 2011 (Rupiah) .....	96
Figure 4.9 Central Java's Gini Index During 2002 till 2011.....	97
Figure 4.10 Gini Index's Summary of 35 Regencies in Central Java During 2002 till 2011 .....	98
Figure 4.11 Summary of Urban Ratio.....	99
Figure 4.12 Urban Ratio's Summary of 35 Regencies in Central Java During 2002 until 2011 .....	100
Figure 4.13 Capitalist's Output Share Capitalist of Central Java during 2002 till 2011 .....	102
Figure 4.14 Capitalist's Output Share Capitalist Summary of 35 Regencies in Central Java during 2002 till 2011.....	103
Figure 4.15 Employment in Central Java during 2002 till 2011 (People).....	104
Figure 4.16 Summary of Employment in 35 Regencies of Central Java du- ring 2002 till 2011 (People).....	105

Figure 4.17 Central Java's Human Development Index during 2002 - 2011 ..	107
Figure 4.18 Human Development Index's Summary of 35 Regencies in Central Java During 2002 till 2011 .....	108

## **LIST OF APPENDIXES**

- Appendix 1 : Model panel data determination
- Appendix 2 : Normality test
- Appendix 3 : Multicollinearity Detection : Rule of Thumb 1
- Appendix 4 : Multicollinearity Detection: Partial Correlation
- Appendix 5 : Pair-wise orrelation
- Appendix 6 : Heteroscedasticity Detection
- Appendix 7 : Autocorrelation Detection
- Appendix 8: F-test and t-test
- Appendix 9 : Structural-Simultaneous Equation Substitution
- Appendix 10 : Raw Data