

CONTENTS

	Page
Acknowledgements	c
Abstract in English	d
Abstract in Thai	e
List of Tables	h
List of Figures	i
Chapter 1 Introduction	1
1.1 Principle and Rationale Backgrounds	1
1.1.1 Pre-primary School Education	7
1.1.2 Primary School Education	8
1.1.3 Secondary School Education	8
1.1.4 Budget Utilization of Ministry of Education	9
1.2 Purpose of the Study	11
1.3 Research Designs, Scope and Methods	11
Chapter 2 Literature Review and Theoretical Foundation	12
2.1 Methodology Review	12
2.2 School Enrolment and Macroeconomic Determinants Review	15
2.3 Theories	20
2.3.1 The Solow Model Augmented by Human-Capital	20
2.3.2 Endogenous Growth Models	23
Chapter 3 Methodology	32

3.1 Conceptual Framework	32
3.2 Sources of the Data and the Variables Description	34
3.3 Econometric Methods	35
3.3.1 Augmented-Dickey Fuller Unit Root Test	35
3.3.2 PP Unit Root Test	37
3.3.3 ARDL Approach to Co-integration	38
3.3.4 Short-run Error Correction Model	41
3.3.5 Tests for the Model Instability	43
Chapter 4 Empirical Results	46
4.1 The Results of Unit Root Test	46
4.1.1 Augmented Dickey-Fuller Test and Phillips-Perron Test	46
4.1.2 Chow Breakpoint test	50
4.2 Lag-length Selection and ARDL Approach to Co-integration	51
4.2.1 Estimation of Long-run Coefficient	54
4.2.2 Estimations of the Short Run Error Correction Model	56
4.3 Diagnostics Tests of the Parameters	61
Chapter 5 Conclusion	66
5.1 Conclusion	66
References	69
Appendices	74
Curriculum Vitae	88

LIST OF TABLES

	Page
Table 1.1: Numbers of Basic Education Schools, Teachers and Students	7
Table 3.1: Review of variables	35
Table 3.2: ARDL bound test for long-run co-integration	41
Table 4.1: Augmented Dickey-Fuller unit root tests and PP unit root test	48
Table 4.2: Lag-length selection of the variables for Model 1	52
Table 4.3: Lag-length selection of the variables for Model 2	52
Table 4.4: ARDL Bounds Test Co-integration for Model 1 and 2	53
Table 4.5: Estimated long run coefficient using the ARDL model and the lag selection	54
Table 4.6: Estimation of the short run result for Model 1	56
Table 4.7: Estimated long run coefficient using the ARDL model and the lag selection	58
Table 4.8: Estimation of the short run parameter of the variables for the secondary	59
Table 4.9: Diagnostic tests of the parameters for the primary school enrolment rate and its determinants	61
Table 4.10: Diagnostic tests of the parameters for the secondary school enrolment rate	64

Copyright © by Chiang Mai University
All rights reserved

LIST OF FIGURES

	Page
Figure 1.1: Changes in Budget Utilization of Ministry of Education (2000-2001 to 2015-2016)	9
Figure 1.2: Enrollment rate % of primary, secondary and tertiary in Myanmar during 1985-2015	10
Figure 3.1: Research Methodology	32
Figure 4.1: Chow test for the parameters stability test for GDPPC	50
Figure 4.2 : Histogram and Normality test for model 1	62
Figure 4.3 : CUSUM test for the model 1	63
Figure 4.4 : CUSUM of Squares for the model	63
Figure 4.5 : Histogram and Normality test	64
Figure 4.6 : CUSUM test for model 1	65
Figure 4.7 : CUSUM squares test $d=$ for model 2	65