

CONTENTS

| | Page |
|--|-------------|
| ABSTRACT..... | (1) |
| ACKNOWLEDGEMENT..... | (2) |
| CONTENTS..... | (3) |
| LIST OF TABLES | (6) |
| LIST OF FIGURES | (7) |
| CHAPTER | |
| 1. INTRODUCTION..... | 1 |
| 1.1 The statement of problems..... | 1 |
| 1.2 Objectives of the study..... | 5 |
| 1.3 Scope of the study..... | 5 |
| 2. THE STOCK MARKET AND THE FINANCIAL SECTOR | |
| IN VIETNAM..... | 6 |
| 2.1 An overview “Equitization program” and financial sector..... | 6 |
| 2.1.1 Equitization of state owner enterprises program | 6 |
| 2.1.2 Main features of the financial sector..... | 8 |
| 2.2 The development of the stock market..... | 9 |
| 3. LITERATURE REVIEW | |
| AND THEORETICAL FRAMEWORK | 15 |
| 3.1 Literature review..... | 15 |
| 3.1.1 Bubble in asset price - rational bubble..... | 15 |
| 3.1.2. Asset pricing bubbles under investors’ behaviors | 17 |

| | |
|--|-----------|
| 3.1.3. Relationship between asset price bubbles and monetary policy | 19 |
| 3.2 Theoretical framework..... | 22 |
| 4. RESEARCH METHODOLOGY | 30 |
| 4.1 Econometric methodology | 32 |
| 4.1.1 Unit root test | 32 |
| 4.1.2 Duration dependence test..... | 34 |
| 4.1.3 Vector Autoregressive Analysis (VAR) | 34 |
| 4.2 Analysis implementation | 36 |
| 4.2.1 Testing the existence of bubble..... | 36 |
| 4.2.2 The relationship between monetary policy and stock returns | 38 |
| 4.2.3 Data | 44 |
| 5. EMPIRICAL RESULTS..... | 45 |
| 5.1 The existence of bubbles in the Vietnamese stock market | 45 |
| 5.2 Results of VARs analysis..... | 48 |
| 5.2.1 Results of Unit Root Tests | 48 |
| 5.2.2 Lag length selection and exogeneity..... | 52 |
| 5.2.3 Forecast performance of the models | 56 |
| 5.2.4 Ordering of the variables | 59 |
| 5.2.5 Implications of the model | 61 |
| 5.2.5.1 Variance decomposition and impulse response of stock returns..... | 61 |
| 5.2.5.2 Variance decomposition and impulse response of monetary policy variables | 63 |
| 5.2.6 The prediction of stock returns | 66 |
| 6. CONCLUSION AND POLICY IMPLICATIONS | 69 |
| 6.1 Summary of the study | 69 |
| 6.2 Policy Implication..... | 71 |

| | |
|---|-----------|
| 6.3 Limitations of the study and suggestion for further study | 71 |
| APPENDICES | 73 |
| APPENDIX A | 74 |
| APPENDIX B | 75 |
| APPENDIX C | 76 |
| APPENDIX D | 77 |
| APPENDIX E | 79 |
| APPENDIX F | 80 |
| APPENDIX G | 86 |
| BIBLIOGRAPHY | 91 |

LIST OF TABLES

| TABLE | | Page |
|--|----|-------------|
| 5.1 Run counts, hazard rates and tests of duration dependence for runs of monthly excess returns | 46 | |
| 5.2 ADF test for Unit root for the series | 50 | |
| 5.3 ADF test for first different series which are non-stationary | 51 | |
| 5.4 Selection-order criteria | 52 | |
| 5.5 Granger Causality test for model A | 54 | |
| 5.6 Granger Causality test for model B | 55 | |
| 5.7 Statistical criteria in evaluating of forecast performance | 57 | |
| 5.8 The Residuals Serial Correlation Lagrange Multiplier tests..... | 59 | |
| 5.9 Jarque-Bera test..... | 59 | |
| 5.10 Correlation Coefficients between Innovations..... | 60 | |
| 5.11 Variance decomposition of stock returns (RET) | 61 | |
| 5.12 The response of stock returns (RET) | 62 | |
| 5.13 Variance decomposition of monetary policy variables..... | 64 | |
| 5.14 Response of the change of exchange rate to stock returns | 65 | |

LIST OF FIGURES

| FIGURE | Page |
|--|-------------|
| 1.1 VNindex from 2000 to 2009 | 3 |
| 2.1 Number of equitized SOEs | 7 |
| 2.2 Number of listed shares from 2000-2008 | 10 |
| 2.3 Market capitalization per GDP | 11 |
| 2.4 The trend of VNindex, Dow Jones and S&P500 | 12 |
| 5.1 The sample hazard rates..... | 45 |
| 5.2 Graphs of endogenous variables | 49 |
| 5.3 Graph of stability conditional check | 53 |
| 5.4 The prediction for stock returns | 67 |
| 5.5 The forecast for stock returns and monetary policy from the VAR system with the movement of monetary variables..... | 68 |
| 5.6 Variance decomposition..... | 80 |
| 5.7 The response to One S.D Innovation \pm 2 Standard errors | 83 |
| 5.8 The responses to One S.D Innovation..... | 84 |