Corporate Governance, Firm Performance and Dividend Policy: Evidence from Jordanian and Australian Listed Firms

Submitted by Ali Mohamed A Hamid B.Sc in Eco University of Garyounis, Benghazi, Libya M.Sc in Acc Al-albayt University, Al Mafraq, Jordan

A thesis submitted for the degree of Doctor of Philosophy in Accounting University of New England

> UNE Business School University of New England Armidale NSW 2351

> > December 2014

Declaration

I certify that the substance of this thesis is my own and original work that has not already been submitted for any degree and is not currently being submitted for any other degree or qualification. I certify that any help received in preparing this thesis and all sources used have been acknowledged in this thesis.

Ali Mohamed A Hamid 8 December 2014 Signature

Acknowledgements

This thesis would not have been possible without the continuous encouragement and support of my principal supervisor, Dr Omar Al Farooque. My sincerest thank for his guidance and mentoring as well as for reviewing my work, giving me comments and advice, and for his patience and encouragement. He gave me the benefit of his experience throughout this work. I am very proud to have had Dr Omar as my supervisor.

I am also deeply grateful for the valuable assistance, comments and support I have received from my co-supervisor, Dr Subba Reddy Yarram. He showed a great deal of interest in reading, discussing and giving feedback in all aspects of my thesis. For both of my supervisors, a big thanks to you. It has been a privilege and a great honour to work under such knowledgeable and intuitive supervisors.

Sincere thanks are also to Dr Miriam Verbeek for her effort in thesis editing. I would like also to thank the Amman Stock Exchange, the Jordanian Security of Commission, and Jordanian Industrial companies for their help and for providing the data used in this research. Many thanks are also to my friends and colleagues in Jordan for their help, advice and encouragement.

I would like to express my greatest appreciation to the Ministry of Higher Education, Government of Libya, for sponsoring my studies in Australia. Thanks to the academic, professional and administrative staff of the University of New England, and the Business School, in particular, for providing financial support and research facilities.

My special thanks to my parents, my brothers and sisters for their emotional support. Without them, this work would certainly not have been possible. I also wish to acknowledge the support of all of my friends, in both Libya and Australia.

My sincere thanks also go to my wonderful wife for her patience, support and encouragement during the period of my study. I am also grateful to my children. I dedicate this thesis to my parents, and to my brothers and sisters, my wife and my sweet little children Meral, Mohamed and Maram.

Abstract

Following high profile corporate scandals and collapses in recent years, many countries have adopted corporate governance frameworks. Good governance practices play an effective role in providing transparency and accountability of company management, helping to mitigate conflicts of interest, building investor confidence and attracting investments.

This purpose of this study is to examine the relationship between corporate governance mechanisms and firm performance as well as corporate governance mechanisms and dividend policy in Jordanian and Australian listed non-finance firms. Jordan is in the Middle Eastern region, and has a pioneer, emerging market characterized by a high blockholding ownership. Australia is a developed market with strong legal protection and investors' rights. Both countries have experienced little effect from the Global Financial Crisis (GFC) and, therefore, potentially provide good comparative cases from which to derives insight into the operations of corporations and how best to manage them to achieve economic development, particularly in emerging markets.

The underpinning theories to support the development of the conceptual framework used in this study are Agency and Signalling Theories. Empirical studies in the literature on the relationship between corporate governance mechanisms and firm performance, and dividend policy show mixed and inclusive results. This study takes into account differences between the institutional settings in Australia and Jordan, and contributes to the body of knowledge in the area of corporate governance in emerging and developed markets. The findings of the study have potential implications for policy makers, investors and other stakeholders in Jordan in terms of providing information for the establishing of proper investors protection through the formulation of a sound corporate governance policy for the Jordanian market.

This study, using a sample of 70 Jordanian and 206 Australian non-finance listed firms for the period 2005–2011, examines two related issues; first, the relationship between corporate governance mechanisms and firm performance; second, the relationship between corporate governance mechanisms and dividend policy.

To examine the relationship between corporate governance variables (measured as board structure, sub-committees of board, ownership structure, board salary and Big-4) and firm performance (measured as ROA, ROIC and log Tobin's Q) in Jordanian and Australian listed non-finance firms, this study employs three regression techniques: a pooled OLS

regression to test the hypotheses and then panel data models (i.e. fixed effects model) to control for unobserved heterogeneity. Finally, to control for endogeneity/causality issues, this study adopts Generalized Method of Moments (GMM) to test the hypotheses. In the Jordanian context, the findings indicate that certain corporate governance mechanisms (such as board independence, remuneration committee independence, managerial and foreign ownership and board salary) have significant positive effects on performance. However, government ownership has a significant negative effect on firm performance. In the Australian context, the results show that governance mechanisms (such as board size, board independence, board meeting, remuneration committee independence, managerial ownership, institutional ownership, foreign ownership, board salary and Big-4) have significant positive effects on performance. These findings have implications for Agency Theory.

To investigate the association between corporate governance mechanisms (measured as board structure, ownership structure and Big-4) and dividend policy (measured as POUT and DY) in both markets, this study uses two regression techniques: a pooled OLS regression and panel data models (i.e. random effects or fixed effects model) to test the hypotheses. In the Jordanian context, the findings show that a few governance mechanisms (such as board size, CEO duality and Big-4) have significant positive relationships with dividend policy. In the Australian context, the results reveal that governance mechanisms (such as board size, board independence, institutional ownership and Big-4) have a significant positive effect on dividend policy. These results support arguments that corporate governance and dividend policy have a complementary role in both markets as proposed by Signalling Theory.

Overall, although there are significant differences between the institutional settings in Australia and Jordan (such as economic conditions, legal frameworks, investors' rights, ownership structure, religion and culture), this research finds some similarities in the countries' governance mechanisms, for firm performance and dividend policy, as well obvious differences. The research results also generally support Agency and Signalling Theories, and are consistent with the findings of prior empirical studies. Thus, the empirical findings of this study potentially provides a useful lessons that policy makers, investors, institutions, managers and other stakeholders in both markets can use to develop and improve their respective corporate governance system.

	Declaration	
	Acknowledgements	iii
	Abstract	iv
	Table of Contents	vi
	List of Tables	xi
	List of Figures	xiv
	Acronyms	
	-	
Chapter	1: Introduction	1
1.1.	Introduction and Overview	1
1.2.	Problem Statement	6
1.3.	Significance and Expected Contributions of the Study	6
1.4.	Objectives of the Study	
1.5.	Conceptual Framework and Methodology	9
1.6.	Thesis Structure	
1.0.		
	2: Institutional Context in Jordan and Australia	
	2: Institutional Context in Jordan and Australia	
Chapter 2.1.	2: Institutional Context in Jordan and Australia	<i>14</i> 14
<i>Chapter</i> 2.1. 2.2.	2: Institutional Context in Jordan and Australia Introduction Institutional Context in Jordan	<i>14</i> 14 14
Chapter 2.1.	 <i>Institutional Context in Jordan and Australia</i> Introduction Institutional Context in Jordan Overview of Jordanian Economy 	14 14 14 14
<i>Chapter</i> 2.1. 2.2. 2.2.1	 2: Institutional Context in Jordan and Australia Introduction Institutional Context in Jordan Overview of Jordanian Economy Overview of Jordanian Capital Market 	14 14 14 14 14 16
Chapter 2.1. 2.2. 2.2.1 2.2.2	 2: Institutional Context in Jordan and Australia Introduction Institutional Context in Jordan Overview of Jordanian Economy Overview of Jordanian Capital Market Market Structure in Jordan 	
Chapter 2.1. 2.2. 2.2.1 2.2.2 2.2.3	 2: Institutional Context in Jordan and Australia Introduction Institutional Context in Jordan Overview of Jordanian Economy Overview of Jordanian Capital Market Market Structure in Jordan Institutional Setting in the Jordanian Capital Market 	
Chapter 2.1. 2.2. 2.2.1 2.2.2 2.2.3 2.2.4	 2: Institutional Context in Jordan and Australia Introduction Institutional Context in Jordan Overview of Jordanian Economy Overview of Jordanian Capital Market Market Structure in Jordan Institutional Setting in the Jordanian Capital Market 	14 14 14 14 14 16 22 24 29
Chapter 2.1. 2.2. 2.2.1 2.2.2 2.2.3 2.2.4 2.2.5	 2: Institutional Context in Jordan and Australia Introduction Institutional Context in Jordan Overview of Jordanian Economy Overview of Jordanian Capital Market Market Structure in Jordan Institutional Setting in the Jordanian Capital Market Corporate Governance in Jordan Institutional Context in Australia 	
Chapter 2.1. 2.2. 2.2.1 2.2.2 2.2.3 2.2.4 2.2.5 2.3.	 2: Institutional Context in Jordan and Australia Introduction Institutional Context in Jordan Overview of Jordanian Economy Overview of Jordanian Capital Market Market Structure in Jordan Institutional Setting in the Jordanian Capital Market Corporate Governance in Jordan Institutional Context in Australia Overview of Australian Economy 	
Chapter 2.1. 2.2. 2.2.1 2.2.2 2.2.3 2.2.4 2.2.5 2.3. 2.3.1	 2: Institutional Context in Jordan and Australia Introduction Institutional Context in Jordan Overview of Jordanian Economy Overview of Jordanian Capital Market Market Structure in Jordan Institutional Setting in the Jordanian Capital Market Corporate Governance in Jordan Institutional Context in Australia Overview of Australian Economy Overview of Australian Capital Market 	
Chapter 2.1. 2.2. 2.2.1 2.2.2 2.2.3 2.2.4 2.2.5 2.3. 2.3.1 2.3.2	 2: Institutional Context in Jordan and Australia Introduction Institutional Context in Jordan Overview of Jordanian Economy Overview of Jordanian Capital Market Market Structure in Jordan Institutional Setting in the Jordanian Capital Market Corporate Governance in Jordan Institutional Context in Australia Overview of Australian Economy Overview of Australian Capital Market Market Structure in Australia 	
Chapter 2.1. 2.2. 2.2.1 2.2.2 2.2.3 2.2.4 2.2.5 2.3. 2.3.1 2.3.2 2.3.3	 2: Institutional Context in Jordan and Australia Introduction Institutional Context in Jordan Overview of Jordanian Economy Overview of Jordanian Capital Market Market Structure in Jordan Institutional Setting in the Jordanian Capital Market Corporate Governance in Jordan Institutional Context in Australia Overview of Australian Economy Overview of Australian Capital Market Market Structure in Australia Institutional Setting in Australia Institutional Setting in Australia 	14 14 14 14 14 16 22 24 29

Table of Contents

2.5.	Conclusion	44
Chapter 3	3: Theoretical Framework, Literature Review and Hyp	otheses
Developm	1ent	45
3.1. I	Introduction	45
	Theory of Corporate Governance	
	Agency Theory	
	Literature Review and Hypotheses Development on Corporate Governa	
3.3.1.		
3.3.2		
3.3.3.	-	
3.3.4.		
3.3.5.		
3.3.6.	Executive Incentives and Firm Performance	68
3.3.7.	External Audit and Firm Performance	70
3.4.	Theory of Dividend Policy	71
3.4.1.		
3.5. I	Literature Review and Hypotheses Development on Corporate Governa	ince and
	d Policy	
3.5.1.	-	
3.5.2.	CEO Duality and Dividend policy	77
3.5.3.	Audit Committee Independence and Dividend Policy	79
3.5.4.	Ownership structure and Dividend policy	80
3.5.5.	External Audit and Dividend Policy Hypotheses	87
3.6. (Conclusion	88
Chapter 4	4: Data and Research Methodology	80
4.1. I	Introduction	89
4.2.	Sample Selestion and Data Sources	89
4.2.1.	Sample Selection	89
4.2.2.	Data Sources	90
4.3. N	Measurements of Variables	91
4.3.1.	Dependent Variable (Firm Financial Performance)	93
4.3.2.	Dependent Variables (Dividend Policy)	95

es)90	. Independent Variables (Corporate Governance Variables)	4.3.3.
	. Measurements of Control Variables	4.3.4.
	Empirical Methods	4.4.
	Pooled OLS Regression	4.4.1.
	. Panel Techniques (FE or RE Models)	4.4.2.
	. Endogeneity Problems	4.4.3.
	. Generalize Method of Moment (GMM)	4.4.4.
	Regression Models	4.5.
and Firm Performance110	. Relationship between Corporate Governance Variables and F	4.5.1.
and Dividend Policy 111	. Relationship between Corporate Governance Variables and E	4.5.2.
	Conclusion	4.6.
nance Mechanisms and	5: Relationship between Corporate Governance	hapter :
113		munciu
	al Performance: Results and Discussions	
	Introduction	5.1.
	-	
	Introduction Descriptive Statistics	
113 	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms	5.2.
113 113 113 114	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms Descriptive Statistics of Australian Firms	5.2. 5.2.1.
113 113 113 114 114 115	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms Descriptive Statistics of Australian Firms	5.2. 5.2.1. 5.2.2. 5.2.3.
	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms Descriptive Statistics of Australian Firms Comparison between Australian and Jordanian Firms Correlation Matrix of Variables	5.2. 5.2.1. 5.2.2. 5.2.3.
	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms Descriptive Statistics of Australian Firms Comparison between Australian and Jordanian Firms Correlation Matrix of Variables Correlation Matrix of Variables for Jordanian firms	5.2. 5.2.1. 5.2.2. 5.2.3. 5.3.
	Introduction Descriptive Statistics . Descriptive Statistics of Jordanian Firms . Descriptive Statistics of Australian Firms . Comparison between Australian and Jordanian Firms . Correlation Matrix of Variables . Correlation Matrix of Variables for Jordanian firms	5.2. 5.2.1. 5.2.2. 5.2.3. 5.3. 5.3.1. 5.3.2.
	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms Descriptive Statistics of Australian Firms Comparison between Australian and Jordanian Firms Correlation Matrix of Variables Correlation Matrix of Variables for Jordanian firms Correlation Matrix of Variables for Australian firms Evidence from Regression Models	5.2. 5.2.1. 5.2.2. 5.2.3. 5.3. 5.3.1. 5.3.2.
	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms Descriptive Statistics of Australian Firms Comparison between Australian and Jordanian Firms Correlation Matrix of Variables Correlation Matrix of Variables for Jordanian firms Correlation Matrix of Variables for Australian firms Ocrelation Matrix of Variables for Australian firms OLS Regression Results for Jordanian Firms (Pooled Model)	5.2. 5.2.1. 5.2.2. 5.2.3. 5.3. 5.3.1. 5.3.2. 5.4.
113 113 113 113 114 114 115 120 120 121 124 10del)	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms Descriptive Statistics of Australian Firms Comparison between Australian and Jordanian Firms Correlation Matrix of Variables Correlation Matrix of Variables for Jordanian firms Correlation Matrix of Variables for Australian firms Correlation Matrix of Variables for Australian firms OLS Regression Results for Jordanian Firms (Pooled Model) OLS Regression Results for Australian Firms (Pooled Model)	5.2. 5.2.1. 5.2.2. 5.2.3. 5.3. 5.3.1. 5.3.2. 5.4. 5.4.1.
113 113 113 113 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 116 117 120 121 121 121 124 10del) 124 Model) 132 dels 137	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms Descriptive Statistics of Australian Firms Comparison between Australian and Jordanian Firms Correlation Matrix of Variables Correlation Matrix of Variables for Jordanian firms Correlation Matrix of Variables for Australian firms Correlation Matrix of Variables for Australian firms OLS Regression Results for Jordanian Firms (Pooled Model) OLS Regression Results for Australian Firms (Pooled Model) Lagrange Multiplier Test, Hausman Test and Panel Models	5.2. 5.2.1. 5.2.2. 5.2.3. 5.3. 5.3.1. 5.3.2. 5.4. 5.4.1. 5.4.2.
113 113 113 113 114 115 114 115 114 115 114 115 116 117 118 119 111 111 111 112 120 121 121 121 121 121 122 124 10del) 124 Model) 132 dels 132 132	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms Descriptive Statistics of Australian Firms Comparison between Australian and Jordanian Firms Correlation Matrix of Variables Correlation Matrix of Variables for Jordanian firms Correlation Matrix of Variables for Australian firms Correlation Matrix of Variables for Australian firms Correlation Matrix of Variables for Australian firms OLS Regression Results for Jordanian Firms (Pooled Model) OLS Regression Results for Australian Firms (Pooled Model) Lagrange Multiplier Test, Hausman Test and Panel Models Endogeneity Test and Dynamic System GMM Model	5.2. 5.2.1. 5.2.2. 5.2.3. 5.3. 5.3.1. 5.3.2. 5.4. 5.4.1. 5.4.2. 5.4.3.
113 113 113 113 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 116 117 120 121 121 121 122 121 121 121 121 121 121 121 122 124 10del) 124 Model) 132 dels 133 153	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms Descriptive Statistics of Australian Firms Comparison between Australian and Jordanian Firms Correlation Matrix of Variables Correlation Matrix of Variables for Jordanian firms Correlation Matrix of Variables for Australian firms Correlation Matrix of Variables for Australian firms Correlation Matrix of Variables for Australian firms OLS Regression Results for Jordanian Firms (Pooled Model) OLS Regression Results for Australian Firms (Pooled Model) Lagrange Multiplier Test, Hausman Test and Panel Models Endogeneity Test and Dynamic System GMM Model Discussion of Regression Results for Jordanian Firms	5.2. 5.2.1. 5.2.2. 5.2.3. 5.3. 5.3.1. 5.3.2. 5.4. 5.4.1. 5.4.2. 5.4.3. 5.4.4.
113 113 113 113 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 116 117 118 119 120 121 121 121 121 121 121 121 121 121 121 121 121 121 121 121 121 122 123 134 135 158	Introduction Descriptive Statistics Descriptive Statistics of Jordanian Firms Descriptive Statistics of Australian Firms Comparison between Australian and Jordanian Firms Correlation Matrix of Variables Correlation Matrix of Variables for Jordanian firms Correlation Matrix of Variables for Australian firms Correlation Matrix of Variables for Australian firms Correlation Matrix of Variables for Australian firms OLS Regression Regression Models OLS Regression Results for Jordanian Firms (Pooled Model) OLS Regression Results for Australian Firms (Pooled Model) Endogeneity Test and Dynamic System GMM Model Discussion of Regression Results for Jordanian Firms	5.2. 5.2.1. 5.2.2. 5.2.3. 5.3. 5.3.1. 5.3.2. 5.4. 5.4.1. 5.4.2. 5.4.3. 5.4.4. 5.4.5.

6.1.	Introduction	168
6.2.	Descriptive Statistics	168
6.3.	Correlation Matrix of Variables	172
6.3.1	1. Correlation Matrix of Variables for Jordanian Firms	172
6.3.2	2. Correlation Matrix of Variables for Australian Firms	175
6.4.	Evidence from Regression Models	175
6.4.1	1. OLS Regression Results for Jordanian Firms (Pooled Model)	176
6.4.2	2. OLS Regression Results for Australian Firms (Pooled Model)	182
6.4.3	3. Heterogeneity Test and Panel Models	187
6.4.4	4. Panel Regression Results for Jordanian Firms (FE or RE Models)	188
6.4.5	5. Panel Regression Results for Australian Firms (FE or RE Models)	191
6.4.6	6. Discussion on Regression Findings for Jordanian Firms	194
6.4.7	7. Discussion on Regression Findings for Australian Firms	198
6.4.8	8. Comparison of Findings in the Random-Effects Model between Jordanian	and
Aust	tralian Firms	202
6.5.	Conclusion	203
Chapter	7: Conclusions and Implications	206
7.1.	Introduction	206
7.2.	Key Empirical Findings	206
7.2.1	1. Corporate Governance Mechanisms and Firm Performance in Developed (Austra	ılia)
and	Developing (Jordan) Countries	207
7.2.2	2. Corporate Governance Variables and Dividend Policy in Developed (Australia)	and
Deve	eloping (Jordan) Countries	209
7.3.	Contribution of the Study	211
7.4.	Implications of Study	212
7.4.1	1. Implications for Policy	212
7.4.2	2. Implications for Theory	213
7.4.3	3. Implications for Practices	213
7.5.	Limitations of the Study	216
7.6.	Suggestions for Future Research	217
7.6.	Suggestions for Future Research	
7.6.		219

Appendix 2: Panel Regression Results for Jordanian Firms (Fixed Effe	ects or Random
Effects Models)	
Appendix 3: Panel Regression Results for Australian Firms (Fixed Effe	ects or Random
Effects Models)	
Appendix 4: Endogeneity Test	

List of Tables

Table 2.1: Jordan – selected economic indicators, 2005-2011	15
Table 2.2: Main indicators for ASE 2005-2011	20
Table 2.3: Value of primary market issues	22
Table 2.4: Trading value of the secondary market	23
Table 2.5: Market segmentation	23
Table 2.6: Trading value of primary and secondary markets by new sector classification	24
Table 2.7: Market capitalization of listed companies by sector in ASE from 2005 to 2	2011 (JD
billion)	24
Table 2.8: Total assets of banks operating in Jordan and its ratio to GDP (2005–2011)	27
Table 2.9: Australia- selected economic indicators, 2005–2011	
Table 2.10: Main indicators for ASX 2005–2011	
Table 2.11: Top 10 in overall index ranking, 2012 vs. 2011	
Table 4.1: Jordanian non-finance sector of the sample firms	90
Table 4.2: Australian non-finance sector of global industry classification standard of the	e sample
firms	90
Table 4.3: Variables measurements and sources	92
Table 4.4: Ownership types, ownership concentration variables and definition	99
Table 4.5: Expected relationships between explanatory variables and firm performance	111
Table 4.6: Expected relationships between explanatory variables and dividend policy	112
Table 5.1: Summary statistics of firm performance, corporate governance and control	variables
(Jordanian non-finance firms)	117
Table 5.2: Summary statistics of firm performance, corporate governance and control	variables
(Australian non-finance firms)	118
Table 5.3: Comparisons of means/medians for Jordanian and Australian non-finance firms	119
Table 5.4: Pearson correlation for all variables in Jordanian non-finance listed companies	
Table 5.5: Pearson correlation for all variables in Australian non-finance listed co	
(N=1438)	
Table 5.6: OLS regression results of the corporate governance mechanisms and	
performance measured by ROA for Jordanian non-finance listed firms	
Table 5.7: OLS regression results of corporate governance mechanisms and financial perf	ormance
measures by ROIC for Jordanian non-finance listed firms	
Table 5.8: OLS regression results of the corporate governance mechanisms and	financial
performance measured by log TQ for Jordanian non-finance firms	

 Table 5.9: OLS regression results of corporate governance mechanisms and financial performance
 Table 5.10: OLS regression results of the corporate governance mechanisms and financial Table 5.11: OLS regression results of the corporate governance mechanisms and financial Table 5.20: Systems GMM regression results of the relationship between corporate governance mechanisms and financial performance as measured by ROA for listed Jordanian non-finance firms Table 5.21: System GMM regression results of the relationship between corporate governance mechanisms and financial performance as measured by ROIC for listed Jordanian non-finance Table 5.22: GMM regression results of the relationship between corporate governance mechanisms and financial performance as measured by log TQ for listed Jordanian non-finance Table 5.23: System GMM regression results of the relationship between corporate governance mechanisms and financial performance as measured by ROA for listed Australian non-finance Table 5.24: GMM regression results of the relationship between corporate governance mechanisms and financial performance as measured by ROIC for listed Australian non-finance Table 5.25: GMM regression results of the relationship between corporate governance mechanisms and financial performance as measured by log TQ for listed Australian non-finance Table 5.28: Comparison of results in the GMM between listed Jordanian and Australian non-Table 6.1: Summary statistics of dividend policy, corporate governance and control variables Table 6.2: Summary statistics of dividend policy, corporate governance and control variables Table 6.3: Comparative mean and median for Jordanian and Australian non-finance firms...... 171 **Table 6.4:** Pearson correlation for all variables in the Jordanian non-finance companies (N=464) Table 6.5: Pearson correlation for all variables in the Australian non-finance companies (N=1438)

Table 6.6: OLS regression results of the corporate governance mechanisms and dividend policy
measured by POUT for Jordanian non-finance firms
Table 6.7: OLS regression results of the corporate governance mechanisms and dividend policy
measured by DY for Jordanian non-finance firms
Table 6.8: OLS regression results of the corporate governance mechanisms and dividend policy
measured by POUT for Australian non-finance firms
Table 6.9: OLS regression results of the corporate governance mechanisms and dividend policy
measured by DY for Australian non-finance firms
Table 6.10: Panel regression results of the corporate governance mechanisms and dividend policy
measured by POUT for Jordanian non-finance firms
Table 6.11: Panel regression results of the corporate governance mechanisms and dividend policy
measured by DY for Jordanian non-finance firms
Table 6.12: Panel regression results of the corporate governance mechanisms and dividend policy
measured by POUT for Australian non-finance firms
Table 6.13: Panel regression results of the corporate governance mechanisms and dividend policy
measured by DY for Australian non-finance firms
Table 6.14: Summary of hypotheses of Jordanian firms 197
Table 6.15: Summary of hypotheses of Australian firms 201
Table 6.16: Comparison of results in the RE/FE between listed Jordanian and Australian non-
finance firms

List of Figures

Figure 1.1: Relationship between corporate governance variables and firm performance	11
Figure 1.2: Relationship between corporate governance variables and dividend policy	12
Figure 2.1 GDP growth rate for Jordan between 2005 and 2012.	16
Figure 2.2: Market capitalisation of Jordanian listed companies at ASE (2004 to 2012)	21
Figure 2.3: Trend in number of Jordanian banks from 2005 to 2011	25
Figure 2.4: GDP growth rate for Australia between 2005 and 2012	33
Figure 2.5: Market capitalisation of Australian listed companies at ASX (2004 to 2012)	37
Figure 2.6: Australian capital raised (\$bn) 2005-2012	38

Acronyms

AASE	Australian Associated Stock Exchanges
ASE	Amman Stock Exchange
ASIC	Australian Securities and Investment Commission
ASX	Australian Securities Exchange
CBJ	Central Bank of Jordan
CEO	Chief Executive Officer
CGC	Corporate Governance Council
DWH	Durbin-Wu-Hausman
DY	Dividend Yield
EBIT	Earnings before Interest and Taxes
ETS	Electronic Trading System
EU	European Union
FE	Fixed Effects
GCC	Gulf Cooperative Council
GFC	Global Financial Crisis
GICS	Global Industry Classification Standards
GMM	Generalized Method of Moments
IAS	International Accounting Standards
IFC	International Finance Corporation
IFRS	International Financial Reporting Standards
IOSCO	International Organization of Securities Commissions
ITS	Internet Trading System
JIB	Jordan Investment Board
JSC	Jordan Securities Commission
JACPA	Jordanian Society of Certified Public Accountants
JSM	Jordan Securities Market
LQ	Liquidity Ratio
MENA	Middle East and North Africa
M&M	Miller and Modigliani
MR	Market Return
OECD	Organization for Economic Co-operation and Development
OLS	Pooled Least Squares
P/E	Price/earnings Ratio
POUT	Dividend Payout Ratio
R&D	Research and Development
RE	Random Effects
ROA	Return on Assets
ROE	Return on Equity
ROIC	Return on Invested Capital
SDC	Securities Depository Centre
SME	Small and Medium Enterprise
TQ	Tobin's Q
VIF	Variance Inflation Factors