The copyright © of this thesis belongs to its rightful author and/or other copyright owner. Copies can be accessed and downloaded for non-commercial or learning purposes without any charge and permission. The thesis cannot be reproduced or quoted as a whole without the permission from its rightful owner. No alteration or changes in format is allowed without permission from its rightful owner.



# AUDIT COMMITTEE CHARACTERISTICS AND INTERNAL AUDIT BUDGET: MALAYSIAN EVIDENCE



# MASTER OF SCIENCE (INTERNATIONAL ACCOUNTING) UNIVERSITI UTARA MALAYSIA

2016

# AUDIT COMMITTEE CHARACTERISTICS AND INTERNAL AUDIT BUDGET: MALAYSIAN EVIDENCE

# BY:



# Thesis submitted to

Othman Yeop Abdullah Graduate School of Business,

Universiti Utara Malaysia,

In Partial Fulfillment of the Requirement for the Master of Sciences

(International Accounting)

### PERMISSION TO USE

In presenting this research paper in partial fulfillment of the requirements for a Post Graduate degree in MSc International Accounting from the Universiti Utara Malaysia (UUM), I agree that the Library of this university may make it freely available for inspection. I further agree that permission for copying this project paper in any manner, in whole or in part, for scholarly purposes may be granted by my supervisor or in her absence, by the Dean of Othman Yeop Abdullah Graduate School of Business where I did my research paper. It is understood that any copying or publication or use of this research paper parts of it for financial gain shall not be allowed without my written permission. It is also understood that due recognition shall be given to me and to the UUM in any scholarly use which may be made of any material in my research paper.

Request for permission to copy or to make other use of materials in this thesis in whole or in part should be addressed to:

Dean of Othman Yeop Abdullah Graduate School of Business

Universiti Utara Malaysia

06010 UUM Sintok

Kedah Darul Aman

### **ABSTRACT**

An audit committee is viewed as an essential self-regulatory internal governance instrument that is expected to provide an overseeing role over the entire process of financial reporting. An internal audit is also one of the corporate governance cornerstone that is essential for the effective monitoring of the operating performance of internal control. To ensure its effectiveness, the audit committee monitors the resources available to the internal audit, and internal control functions should be directly reported to the audit committee. This study is set out to explore the effect of audit committee characteristics (i.e independence, expertise, meeting and tenure) on internal audit budget in Malaysia, where governance mechanisms are suboptimal. The study also opens the door to an unanswered question, that is, whether an audit committee index is related to internal audit budget. Data of 96 companies listed on Bursa Malaysia for a three-year period, 2012-2014, was utilized to achieve this end. The regression result shows that there is audit committee meeting and index are significantly and positively associated with internal audit budget. They also indicate that audit committee tenure has a significant and negative impact on internal audit budget. The theoretical, practical, academic and regulatory implications of these findings were discussed in details. On one extreme, the findings of the study supports the recent policy initiatives in relation to audit committee and internal audit. On the other extreme, the result serves as a wake-up call to policy makers in requiring more committed, competent and skilled members on the audit committee.

Keywords: Audit committee characteristics; internal audit budget; Bursa Malaysia

### **ABSTRAK**

Jawatan kuasa audit dilihat sebagai salah satu alat kawal selia sendiri yang digunakan oleh tadbir urus dalaman untuk menyelia keseluruhan proses laporan kewangan. Jawatan kuasa audit dalaman juga merupakan salah satu asas tadbir urus korporat yang sangat penting untuk mengawasi prestasi operasi kawalan dalaman yang lebih cekap. Bagi menjamin kecekapan, jawatan kuasa audit akan menyelia setiap sumber yang disalurkan ke audit dalaman, dan fungsi kawalan dalaman perlu dilaporkan kepada jawatan kuasa audit secara langsung. Kajian ini dilakukan untuk mengkaji kesan daripada ciri-ciri jawatan kuasa audit (contoh: kebebasan, kemahiran, mesyuarat jawatan kuasa dan pemilikan) ke atas bajet audit dalaman di Malaysia, di mana mekanisme pengawasan adalah suboptimal. Kajian ini turut membuka laluan kepada persoalan yang timbul, iaitu sama ada indeks jawatan kuasa audit berkait rapat dengan bajet audit dalaman. Data daripada 96 buah syarikat yang tersenarai di Bursa Malaysia untuk tempoh 3 tahun, 2012-2014, digunakan untuk menjawab persoalan yang timbul. Keputusan analisis regresi menunjukkan bahawa mesyuarat jawatan kuasa audit dalaman dan indeks jawatan kuasa audit adalah signifikan dan berkait secara positif dengan bajet audit dalaman. Analisis regresi turut menunjukkan bahawa pemilikan jawatan kuasa audit adalah signifikan dan mempunyak impak negatif terhadap bajet audit dalaman. Dapatan kajian secara teoritikal, praktikal, akademik dan implikasi peraturan akan dibincangkan secara terperinci. Pada capaian ekstrim, hasil kajian turut menjumpai kajian-kajian yang menyokong inisiatif dasar terkini yang berkaitan dengan jawatan kuasa audit dan audit dalaman. Selain itu, hasil kajian juga dapat dijadikan asas permulaan kepada pembuat dasar untuk mendapatkan individu yang lebih berdedikasi, berdaya saing dan berkemahiran tinggi sebagai ahli jawatan kuasa audit.

Kata kunci: Ciri-ciri jawatan kuasa audit; bajet audit dalaman; Bursa Malaysia

**ACKNOWLEDGEMENT** 

First and foremost, I am extremely thankful to almighty Allah, who helped me complete

this thesis successfully and provided me with vision in conducting this research.

Great thanks and gratitude go to my supervisor, Dr. Redhwan Ahamed Ali Al-dhamari,

who have supported me throughout my research process with his support, guidance,

patience and knowledge. I offer my sincerest gratitude to my family in Libya,

especially my brothers, my sisters, love, and support in the duration of my study in

Malaysia. My acknowledgements would not be complete until I thank my parents for

their love and moral support, supporting me spiritually throughout my life. Without

them, I'm nothing here. Special thanks to all stuff in Universiti Utara Malaysia. Last

but not the least; I would like to express my gratitude to all of Libyan student in UUM,

for their very good dealing with me.

Universiti Utara Malaysia

Thank You

Sincerely,

Almahdi Ali Mohamed Saleh Almagdoub

V

# TABLE CONTENTS OF

PERMISSION TO USE	ii
ABSTRACT	iii
ABSTRAK	iv
ACKNOWLEDGEMENT	V
LIST OF TABLES	X
LIST OF FIGURES	xi
LIST OF ABBREVIATION	xii
CHAPTER ONE: INTRODUCTION	
1.1 Background of the Study	
1.2 Problem Statement	5
1.3 Research Questions	9
1.4 Research Objectives	9
1.5 Significance of the Study	9
1.5.1 Theoretical Significance	10
1.5.2 Practical Significance	12
1.6 Scope of the Study	13
1.7 Organization of the study	13

# CHAPTER TWO: LITERATURE REVIEW

2.1 Introduction	15
2.2 Corporate Governance	15
2.3 Investment in Internal Auditing	19
2.4 Audit Committee Characteristics	22
2.4.1 Audit Committee Independence	24
2.4.3 Audit Committee Expertise	27
2.4.3 Audit Committee Meetings	31
2.4.4 Audit Committee Tenure	33
2.4.5 Audit Committee index	34
2.5 Control Variables	36
2.6 Underpinning Theory	39
2.6.1 Agency Theory	39
2.7 Summary of the Chapter	41
CHAPTER THREE: METHOLODOGY	
3.1 Introduction	43
3.2 Research Framework	43
3.3 Hypotheses Development	45
3.3.1 Audit Committee Independence and Investment in Internal Auditing	45

3.3.2 Audit Committee Expertise and Investment in Internal Auditing	46
3.3.3 Audit Committee Meeting and Investment in Internal Auditing	49
3.3.4 Audit Committee Tenure and Investment in Internal Auditing	50
3.3.5 Audit Committee Index and Investment in Internal Auditing	52
3.4 Method of Data Collection	53
3.5 Population and Sampling Selection	53
3.6 Measurement of the Variables	55
3.6.1 Dependent Variable:	55
3.6.2 Independent Variables	55
3.6.3 Control variables:	57
3.7Analytical procedures	62
3.8 Operational Model	62
3.9 Summary for the Chapter	63
CHAPTER FOUR: RESULTS AND DISCUSSION	
4.1 Introduction	64
4.2 Descriptive Statistics	64
4.3 Classical Assumption Tests	66
4.3.1 Normality	66
4.3.2 Multicollinearity	68

4.3.3 Heteroscedasticity	1
4.3.5 Autocorrelation	1
4.4 Regression Analysis	2
4.5 Robustness checks7	6
4.6 Summary of the Chapter7	9
CHAPTER FIVE: CONCLUSION AND RECOMMENDATION	
5.1 Introduction8	1
5.2 Overview of the Study Findings8	1
5.3 Implications of the Study	2
5.3.1 Theoretical Implications	3
5.3.2 Regulatory Implications8	3
5.4.3 Practical Implications	
5.3.4 Academic Research Implications	4
5.5 Limitations of the Study	5
5.6 Avenues for Future Research	6
5.7 Conclusions8	7
Reference8	8

# LIST OF TABLES

Table 3.1 Derivation of Sample	54
Table 3.2 Bursa Malaysia Sector Representation of the Sample Firm	55
Table 3.3 Audit Committee Index (ACINDX) Components	57
Table 3.4 Summary of the Operationalization of the Variables Used In the Study	.61
Table 4.1 Descriptive Statistics	.65
Table 4.2 Results of Normality Test.	67
Table 4.3 Results of VIF Test	69
Table 4.4 Correlation Matrix	70
Table 4.5 Results of Cook-Weisberg Test for Heteroscedasticity	71
Table 4.6 Results of Wooldridge test for autocorrelation	72
Table 4.7 Results of Regression Analysis.	74
Table 4.8 Results of Regression Analysis Using Alternative Measurement of	
Audit Committee Independence and Expertise	78
Table 4.9 Results of Regression Analysis using winsorization of audit committee	
Meeting and size	80
Table 5.1 Summary of Hypotheses Testing	83

# LIST OF FIGURES



# LIST OF ABBREVIATION

MCCG Malaysian Code of Corporate Governance

PCAOB Public Accounting Oversight Board

IIAM Institute of Internal Auditors Malaysia

BRC Blue Ribbon Committee

MIA Malaysian Institute of Accounting

PLCs Board of Public Listed Companies

AOB Audit Oversight Board

SEC Securities and Exchange Commission

Universiti Utara Malaysia

IAFNV Investment in Internal Auditing

AC Audit Committee

ACC Audit Committee Characteristics

ACIND Audit Committee Independence

ACEXP Audit Committee Expertise

ACMEET Audit Committee Meeting

ACTEN Audit Committee Tenure

ACINDX Audit Committee Index

ACSIZE Audit committee size

LEV Leverage

SIZE Firm Size

INVEN Inventory

OCF Operating cash flow

IAFOS Internal Auditing Source arrangement

OLS Ordinary Least Square

CEO Chief Executive Officer

Universiti Utara Malaysia

### **CHAPTER ONE**

## INTRODUCTION

# 1.1 Background of the Study

Following recent accounting scandals, deliberate manipulations and fraudulent activities of some corporations such as Enron, Worldcom, and Satyam that lead to accounting failure, internal auditing has increasingly became relevant as an important corporate governance mechanism (Carcello, Hermanson & Raghunandan, 2005; Coram, Ferguson & Moroney, 2008; Sarens & Abdolmohammadi, 2008). In response to these accounting failures, the Congress of the United States passed into law the Sarbanes Oxley Act of 2002 (SOX, 2002). This significantly affected several issues related to corporate governance and corporate financial reporting. Particularly, it pushed for more focus on internal controls and internal auditing. Hence, it is likely that a number of companies have shifted their concentration towards internal auditing during this period. In addition, the Public Accounting Oversight Board (PCAOB) asserted that an outstanding benefit of its standard on auditing an internal control is encouraging companies to invest in competent and objective internal audit function (PCAOB, 2004). Moreover, statistics show that internal audit budgets and number of internal audit staff grew by over 10 percent between 2001 and 2002 in the US (Carcello et al., 2005).

In a same token, internal auditing has become a very crucial component of global businesses. It is a vital constituent of the risk management, internal control structure of the organization (Anderson, Christ, Johnstone & Rittenberg, 2012). Internal auditing is

# The contents of the thesis is for internal user only

# Reference

- Abbott, L. J. and Parker, S. (2000). Audit committee characteristics and auditor selection. Auditing: A Journal of Practice & Theory 19 (Fall), 47-66.
- Abbott, L. J., Parker, S., & Peters, G. F. (2010). Serving two masters: The association between audit committee internal audit oversight and internal audit activities. *Accounting Horizons*, 24(1), 1-24.
- Abbott, L. J., Parker, S., & Peters, G. F. (2004). Audit committee characteristics and restatements. *Auditing: A Journal of Practice & Theory*, 23(1), 69-87.
- Abbott, L. J., Parker, S., Peters, G. F., & Raghunandan, K. (2003). The association between audit committee characteristics and audit fees. *Auditing: A Journal of Practice & Theory*, 22(2), 17-32.
- Abdel-khalik, A. R. 1993. Why do private companies demand auditing? A case for organizational loss of control. *Journal of Accounting, Auditing and Finance 8: 31–52.*
- Abdul Rahman, R., & Haneem Mohamed Ali, F. (2006). Board, audit committee, culture and earnings management: Malaysian evidence. *Managerial Auditing Journal*, 21(7), 783-804.
- Abdullah, S. N. (2006). Board composition, audit committee and timeliness of corporate financial reports in Malaysia. *Corporate Ownership and Control*, 4(2), 33-45.
- Abushaiba, I. A., & Zainuddin, Y. (2012). Performance measurement system design, competitive capability, and performance consequences-A conceptual like. *International Journal of Business and Social Science*, 3(11).
- Adams, M. B. (1994). Agency theory and the internal audit. *Managerial Auditing Journal*, 9(8), 8-12.
- Agrawal, A., & Chadha, S. (2005). Corporate governance and accounting scandals\*. *Journal of Law and Economics*, 48(2), 371-406.
- Ahmad-Zaluki, N. A., & Nordin Wan-Hussin, W. (2010). Corporate governance and earnings forecasts accuracy. *Asian Review of Accounting*, 18(1), 50-67.
- Akhtaruddin, M., Hossain, M. A., Hossain, M., & Yao, L. (2009). Corporate governance and voluntary disclosure in corporate annual reports of Malaysian listed firms. *Jamar*, 7(1), 1–20.
- Al-Mamun, A., Yasser, Q. R., Rahman, M. A., Wickramasinghe, A., & Nathan, T. M. (2014). Relationship between audit committee characteristics, external auditors and economic value added (EVA) of public listed firms in Malaysia. *Corporate Ownership & Control*, 12(1), 899-910

- Ali, A., Chen, T. Y., & Radhakrishnan, S. (2007). Corporate disclosures by family firms. *Journal of Accounting and Economics*, 44(1), 238-286.
- Ali, A. M., Saidin, S. Z., Sahdan, M. H., Rasit, M. H. H., Rahim, M. S., & Gloeck, J. D. (2012). Internal audit in the federal government organizations of Malaysia: the good, the bad and the very ugly? *Asian Journal of Business & Governance*, 2, 68-111.
- Alkdai, H. K. H., & Hanefah, M. M. (2012). Audit committee characteristics and earnings management in Malaysian Shariah-compliant companies. *Business and Management Review*, 2(2), 52-61.
- Amar, A. B. (2014). The Effect of Independence Audit Committee on Earnings Management: The Case in French. *International Journal of Academic Research in Accounting, Finance and Management Sciences*, 4(1), 96-102.
- Anderson, U. L., Christ, M. H., Johnstone, K. M., & Rittenberg, L. E. (2012). A post-SOX examination of factors associated with the size of internal audit functions. *Accounting Horizons*, 26(2), 167-191.
- Archambeault, D., & DeZoort, F. T. (2001). Auditor opinion shopping and the audit committee: An analysis of suspicious auditor switches. *International Journal of Auditing*, 5(1), 33-52.
- A-Hamid, M., Mohamad, S. and M-Nasir, A. (1999). The Effectiveness of Audit Committee. Akauntan Nasional: 5-10.
- Baccouche, S., Hadriche, M., & Omri, A. (2013). The Impact of Audit Committee Multiple-Directorships On Earnings Management: Evidence From France. *Journal of Applied Business Research*, 29(5), 1333.
- Badara, M. A. S., & Saidin, S. Z. (2013). The relationship between audit experience and internal audit effectiveness in the public sector organizations. *International Journal of Academic Research in Accounting, Finance and Management Sciences*, 3(3), 329-339.
- Badolato, P. G., Donelson, D. C., & Ege, M. (2014). Audit committee financial expertise and earnings management: The role of status. *Journal of Accounting and Economics*, 58(2), 208-230.
- Barua, A., Rama, D. V., & Sharma, V. (2010). Audit committee characteristics and investment in internal auditing. *Journal of Accounting and Public Policy*, 29(5), 503-513.
- Baxter, P., & Cotter, J. (2009). Audit committees and earnings quality. *Accounting & Finance*, 49(2), 267-290.
- Beasley, M. S. (1996). An empirical analysis of the relation between the board of director composition and financial statement fraud. *Accounting Review*, 443-465.

- Bédard, J., & Gendron, Y. (2010). Strengthening the financial reporting system: Can audit committees deliver? *International Journal of Auditing*, 14(2), 174-210.
- Bédard, J., Chtourou, S. M., & Courteau, L. (2004). The effect of audit committee expertise, independence, and activity on aggressive earnings management. *Auditing: A Journal of Practice & Theory*, 23(2), 13-35.
- Bishop III, W. G., Hermanson, D. R., Lapides, P. D., & Rittenberg, L. E. (2000). The year of the audit committee. *Internal Auditor*, *57*(2), 46-46.
- Blackwell, D.W., Noland, T. R. &Winters, D. B. (1998), 'the value of auditor assurance: evidence from loan pricing', *Journal of Accounting Research*, Vol. 36, pp. 57–70.
- Bliss, M. A., Muniandy, B., & Majid, A. (2007). CEO duality, audit committee effectiveness and audit risks: A study of the Malaysian market. *Managerial Auditing Journal*, 22(7), 716-728.
- Blue Ribbon Committee (BRC), 1999. Report and Recommendations of the Blue Ribbon Committee on improving the effectiveness of Corporate Audit Committees. NYSE, New York Stock Exchange and National Association of Securities dealers. New York, NY.
- Boeker, W., & Goodstein, J. (1993). Performance and successor choice: The moderating effects of governance and ownership. *Academy of Management Journal*, 36(1), 172-186.
- Boone, J. P., Khurana, I. K., & Raman, K. K. (2008). Audit firm tenure and the equity risk premium. *Journal of Accounting, Auditing & Finance*, 23(1), 115-140.
- Bradbury, M., Mak, Y. T., & Tan, S. M. (2006). Board characteristics, audit committee characteristics and abnormal accruals. *Pacific Accounting Review*, 18(2), 47-68.
- Boeker, W., & Goodstein, J. (1993). Performance and successor choice: The moderating effects of governance and ownership. *Academy of Management Journal*, 36(1), 172-186.
- Bromilow, C. L. & Keller, D. P. (2011). Audit Committee Effectiveness: What works best, Price water house Coopers?
- Bronson, S. N., Carcello, J. V., and Raghunandan, K. (2006). Firm Characteristics and Voluntary Management Reports on Internal Control. *Auditing*, 25(2), 25-39.
- Brown-Liburd, H. L., & Wright, A. M. (2011). The effect of past client relationship and strength of the audit committee on auditor negotiations. *Auditing: A Journal of Practice & Theory*, 30(4), 51-69.
- Cadbury, S. A. (1997). Board Focus, the Governance Debate. Egon Zehnder International.
- Carcello, J. V., Hermanson, D. R., Neal, T. L., & Riley, R. A. (2002). Board characteristics and audit fees\*. *Contemporary Accounting Research*, 19(3), 365-384.

- Carcello, J. V., & Neal, T. L. (2000). Audit committee composition and auditor reporting. *The Accounting Review*, 75(4), 453-467.
- Carcello, J. V., Hermanson, D. R., & Ye, Z. (2011). Corporate governance research in accounting and auditing: Insights, practice implications, and future research directions. *Auditing: A Journal of Practice & Theory*, 30(3), 1-31.
- Carcello, J. V., Hermanson, D. R., & Raghunandan, K. (2005a). Changes in internal auditing during the time of the major US accounting scandals. *International Journal of Auditing*, 9(2), 117-127.
- Carcello, J.V., Hermanson, D.R. and Raghunandan, K. (2005b), "Factors associated with US public companies' investment in internal auditing", *Accounting Horizons, Vol. 19 No. 2, pp. 69-84*.
- Carey, P., Craswell, A. & Simnett, R. (2000), Voluntary demand for internal and external auditing by family businesses. *Auditing: A Journal of Practice & Theory*, Vol. 19, Supplement, pp. 37–51.
- Chan, A. M. Y., Liu, G., & Sun, J. (2013). Independent audit committee members' board tenure and audit fees. *Accounting & Finance*, 53(4), 1129-1147.
- Chang, J. C., & Sun, H. L. (2010). Does the disclosure of corporate governance structures affect firms' earnings quality? *Review of Accounting and Finance*, 9(3), 212-243.
- Chen, C. X., Lu, H., & Sougiannis, T. (2012). The Agency Problem, Corporate Governance, and the Asymmetrical Behavior of Selling, General, and Administrative Costs\*. *Contemporary Accounting Research*, 29(1), 252-282.
- Chen, E. T., & Nowland, J. (2010). Optimal board monitoring in family-owned companies: Evidence from Asia. *Corporate Governance: An International Review*, 18(1), 3-17.
- Choi, Y. K., Han, S. H., & Lee, S. (2014). Audit committees, corporate governance, and shareholder wealth: Evidence from Korea. *Journal of Accounting and Public Policy*, 33(5), 470-489.
- Chow, C. W. (1982). The demand for external auditing: Size, debt and ownership influences. *Accounting Review*, 272-291.
- Claessens, S., Djankov, S., & Lang, L. H. (2000). The separation of ownership and control in East Asian corporations. *Journal of financial Economics*, 58(1), 81-112.
- Collier, P., & Gregory, A. (1996). Audit committee effectiveness and the audit fee. *European Accounting Review*, 5(2), 177-198.
- Conger, J. A., Finegold, D., & Lawler, E. E. (1998). Appraising boardroom performance. *Harvard Business Review*, 76, 136-164.

- Copley, P. A., & Doucet, M. S. (1993). Auditor tenure, fixed fee contracts, and the supply of substandard single audits. *Public Budgeting & Finance*, *13*(3), 23-35.
- Coram, P., Ferguson, C., & Moroney, R. (2008). Internal audit, alternative internal audit structures and the level of misappropriation of assets fraud. *Accounting & Finance*, 48(4), 543-559
- Daft, R. (2012). Organization theory and design. Nelson Education.
- Daily, C. M., Dalton, D. R., & Cannella, A. A. (2003). Corporate governance: Decades of dialogue and data. *Academy of Management Review*, 28(3), 371-382.
- Davidson, R., Goodwin-Stewart, J., & Kent, P. (2005). Internal governance structures and earnings management. *Accounting & Finance*, 45(2), 241-267.
- Davidson, W. N., Xie, B., & Xu, W. (2004). Market reaction to voluntary announcements of audit committee appointments: The effect of financial expertise. *Journal of Accounting and Public Policy*, 23(4), 279-293.
- Davis, G. F., & Greve, H. R. (1997). Corporate elite networks and governance changes in the 1980s. *American Journal of Sociology*, 103(1), 1-37.
- Dechow, P. M., Sloan, R. G., & Sweeney, A. P. (1995). Detecting earnings management. *Accounting review*, 193-225.
- Defond, M. L., Hann, R. N. and Hu, X. (2005). Does the market value financial expertise on audit committees of boards of directors? *Journal of Accounting Research* 43 (2), 153-193.
- Deis Jr, D. R., & Giroux, G. A. (1992). Determinants of audit quality in the public sector. *Accounting Review*, 462-479.
- DeZoort, F. T., & Salterio, S. E. (2001). The effects of corporate governance experience and financial-reporting and audit knowledge on audit committee members' judgments. *Auditing: A Journal of Practice & Theory*, 20(2), 31-47.
- DeZoort, F. T., Hermanson, D. R., Archambeault, D. S., & Reed, S. A. (2002). Audit committee effectiveness: A synthesis of the empirical audit committee literature. *Journal of Accounting Literature*, 21, 38.
- DeZoort, F. T., Hermanson, D. R., & Houston, R. W. (2003). Audit committee support for auditors: The effects of materiality justification and accounting precision. *Journal of Accounting and Public Policy*, 22(2), 175-199.
- Dhaliwal, D. S., Naiker, V., & Navissi, F. (2006). Audit committee financial expertise, corporate governance and accruals quality: An empirical analysis. *Corporate Governance and Accruals Quality: An Empirical Analysis (May 2006)*.

- Dhaliwal, D. A. N., Naiker, V. I. C., & Navissi, F. (2010). The Association between Accruals Quality and the Characteristics of Accounting Experts and Mix of Expertise on Audit Committees\*. *Contemporary Accounting Research*, 27(3), 787-827.
- Diamond, M. J. (2002). The role of internal audit in government financial management: an international perspective (No. 2-94). International Monetary Fund.
- Drazin, R., & Van de Ven, A. H. (1985). Alternative forms of fit in contingency theory. *Administrative science quarterly*, 514-539.
- Endaya, K. E., & Hanefah, M. M. (2013). Internal audit effectiveness: An approach proposition to develop the theoretical framework. *Research Journal of Finance and Accounting*, 4(10), 92-102.
- Fadzil, F., Haron, H., & Jantan, M. (2005). Internal auditing practices and internal control system. *Managerial Auditing Journal*, 20(8), 844-866.
- Fama, E. F. (1980). Agency Problems and the Theory of the Firm. *The Journal of Political Economy*, 288-307.
- Fama, E. F., & Jensen, M. C. (1983). Separation of ownership and control. *The Journal of Law & Economics*, 26(2), 301-325.
- Farber, D. B. (2005). Restoring trust after fraud: Does corporate governance matter?. *The Accounting Review*, 80(2), 539-561.
- Farinha, J., & Viana, L. F. (2009). Board structure and modified audit opinions: evidence from the Portuguese stock exchange. *International Journal of Auditing*, *13*(3), 237-258.
- Farinha, J., & Viana, L. F. (2009). Board structure and modified audit opinions: evidence from the Portuguese stock exchange. *International Journal of Auditing*, *13*(3), 237-258.
- Finance Committee on Corporate Governance (2000) The Malaysian Code on Corporate Governance (MCCG), Securities Commission. Kuala Lumpur, Malaysia.
- Firth, M., Fung, P. M., & Rui, O. M. (2007). How ownership and corporate governance influence chief executive pay in China's listed firms. *Journal of Business Research*, 60(7), 776-785.
- Francis, J. R. & Wilson, E. R. (1988), 'Auditor changes:a joint test of theories relating to agency costs and auditor differentiation', *The Accounting Review*, Vol.63, pp. 663–82.
- Ge, W., & McVay, S. (2005). The disclosure of material weaknesses in internal control after the Sarbanes-Oxley Act. *Accounting Horizons*, 19(3), 137-158.
- Gill, A. (2008). Corporate governance as social responsibility: A research agenda. *Berkeley Journal of International Law*, 26(2), 452–478.

- Glover, S. M., D. F. Prawitt, and D. A. Wood. 2008. Internal audit sourcing arrangement and the external auditor's reliance decision. *Contemporary Accounting Research* 25 (1): 193–213.
- Goodwin-Stewart, J. and Kent, P. (2006), "The use of internal audit by Australian companies", *Managerial Auditing Journal, Vol. 21 No. 1, pp. 81-101.*
- Green, W. H. (2003). Economic analysis. New Jersey: prentice Hall International
- Gronewold, U., & Heerlein, A. (2009). The staff capacity of the internal audit function of German corporations. In midyear meeting of the auditing section of the American accounting association.
- Gujarati, D. N. (1988). Basic econometrics. New York: McGraw-Hill.
- Gul, F. A., Fung, S. Y. K., & Jaggi, B. (2009). Earnings quality: Some evidence on the role of auditor tenure and auditors' industry expertise. *Journal of Accounting and Economics*, 47(3), 265-28
- Gul, F. A., & Wah, K. L. (2002). Insider entrenchment, board leadership structure and informativeness of earnings. *Working Paper No 26/2002*. Retrieved form http://ssrn.com/abstract= 304399
- Hair, J. F., Black, W. C., Babin, B. J., & Anderson, R. E. (2010). Multivariate Data Analysis: A Global Perspective (7th eds.)
- Hamdan, A. M., Sarea, A. M., & Reyad, S. M. R. (2013). The impact of audit committee characteristics on the performance: Evidence from Jordan. *International Management Review*, 9(1), 32.
- Harrison, M. (2015). Implementing the 2014 changes to internal audit. *Governance Directions*, 67(1), 38-41
- Hashim, H. A., & Devi, S. (2008). Board characteristics, ownership structure and earnings quality: Malaysian evidence. *Research in Accounting in Emerging Economies*, 8(97), 97-123.
- Hashim, H. A., & Devi, S. (2008). Research in Accounting in Emerging Economies. *Managerial Finance*, 4(3), 232-243.
- Hashim, U., & Rahman, R. (2011). Audit report lag and the effectiveness of audit committee among Malaysian listed companies. *International Bulletin of Business Administration*, 10, 50-61.
- Hassan Che Haat, M., Abdul Rahman, R., & Mahenthiran, S. (2008). Corporate governance, transparency and performance of Malaysian companies. *Managerial Auditing Journal*, 23(8), 744-778.

- Heo, J., & Han, I. (2003). Performance measure of information systems (IS) in evolving computing environments: an empirical investigation. *Information & Management*, 40(4), 243-256.
- Hermanson, D. R., & Rittenberg, L. E. (2003). Internal audit and organizational governance. *Research Opportunities in Internal Auditing*, *1*, 25-71.
- Higgs Report (2003), Review of the Role and Effectiveness of Non-Executive Directors (www.dti.gov.uk/cld/non exec review)
- Hillman, A. J., & Dalziel, T. (2003). Boards of directors and firm performance: Integrating agency and resource dependence perspectives. *Academy of Management Review*, 28(3), 383-396.
- Ho, S. S., & Wong, K. S. (2001). A study of the relationship between corporate governance structures and the extent of voluntary disclosure. *Journal of International Accounting, Auditing and Taxation*, 10(2), 139-156.
- Hoitash, U., Hoitash, R., & Bedard, J. C. (2009). Corporate governance and internal control over financial reporting: A comparison of regulatory regimes. *The Accounting Review*, 84(3), 839-867.
- Huang, H. W., & Thiruvadi, S. (2010). Audit committee characteristics and corporate fraud. *International Journal of Public Information Systems*, 6(1).
- Ismail, W. A. W., Dunstan, K. L., & Van Zijl, T. (2009). Earnings quality and corporate governance following the implementation of Malaysian code of corporate governance. *Available at SSRN*.
- Jackson, A. B., Moldrich, M., & Roebuck, P. (2008). Mandatory audit firm rotation and audit quality. *Managerial Auditing Journal*, 23(5), 420-437.
- Jenkins, D. S., Kane, G. D., & Velury, U. (2006). Earnings quality decline and the effect of industry specialist auditors: An analysis of the late 1990s. *Journal of Accounting and Public Policy*, 25(1), 71-90.
- Jensen, M. C., & Meckling, W. H. (1976). Theory of the firm: Managerial behavior, agency costs and ownership structure. *Journal of Financial Economics*, *3*(4), 305–360.
- Jensen, M. C. (1986). Agency cost of free cash flow, corporate finance, and takeovers. *Corporate Finance, and Takeovers. American Economic Review*, 76(2).
- Jokipii, A. (2010). Determinants and consequences of internal control in firms: a contingency theory based analysis. *Journal of Management & Governance*, 14(2), 115-144.
- Joshi, P. L., & Wakil, A. (2004). A study of the audit committees' functioning in Bahrain: Empirical findings. *Managerial Auditing Journal*, 19(7), 832-858.

- Kaplan, S. E., & Mauldin, E. G. (2008). Auditor rotation and the appearance of independence: Evidence from non-professional investors. *Journal of Accounting and Public Policy*, 27(2), 177-192.
- Karamanou, I., & Vafeas, N. (2005). The association between corporate boards, audit committees, and management earnings forecasts: An empirical analysis. *Journal of Accounting Research*, 43(3), 453-486.
- Kent, P., & Stewart, J. (2008). Corporate governance and disclosures on the transition to international financial reporting standards. *Accounting & Finance*, 48(4), 649-671.
- Kets de Vries, M. F. R. (1993). Leaders, fools, and impostors: Essays on the psychology of leadership. San Francisco7 Jossey Bass.
- Kiel, G. C., & Nicholson, G. J. (2003). Board composition and corporate performance: How the Australian experience informs contrasting theories of corporate governance. *Corporate Governance: An International Review*, 11(3), 189-205.
- Klein, A. (2002). Audit committee, board of director characteristics, and earnings management. *Journal of Accounting and Economics*, 33(3), 375-400.
- Kleinbaum, D., Kupper, L., Nizam, A., & Rosenberg, E. (2013). *Applied regression analysis and other multivariable methods*. Nelson Education
- Kor, Y. Y., & Mahoney, J. T. (2000). Penrose's resource-based approach: the process and product of research creativity. *Journal of Management Studies*, *37*(1).
- Kor, Y. Y., & Sundaramurthy, C. (2008). Experience-based human capital and social capital of outside directors. *Journal of Management*.
- Krishnan, J. (2005). Audit committee quality and internal control: An empirical analysis. *The Accounting Review*, 80(2), 649-675.
- Kyereboah-Coleman, A. (2008). Corporate governance and firm performance in Africa: a dynamic panel data analysis. *Journal for Studies in Economics & Econometrics*, 32(2).
- La Porta, R., Lopez-de-Silanes, F., Shleifer, A. and Vishny, R. (2000), "Investor protection and corporate governance", *Journal of Financial Economics*, Vol. 58, pp. 3-27.
- Li, D. (2010). Does auditor tenure affect accounting conservatism? Further evidence. *Journal of Accounting and Public Policy*, 29, 226-241.
- Lin, J. W., Li, J. F., & Yang, J. S. (2006). The effect of audit committee performance on earnings quality. *Managerial Auditing Journal*, 21(9), 921-933.
- Li, J., Mangena, M., & Pike, R. (2012). The effect of audit committee characteristics on intellectual capital disclosure. *British Accounting Review*, 44(2), 98–110. http://doi.org/10.1016/j.bar.2012.03.003

- Lin, S., Pizzini, M., Vargus, M., & Bardhan, I. R. (2011). The role of the internal audit function in the disclosure of material weaknesses. *The Accounting Review*, 86(1), 287-323.
- Lisic, L. L. (2014). Auditor-Provided Tax Services and Earnings Management in Tax Expense The Importance of Audit Committees. *Journal of Accounting, Auditing & Finance*, 0148558X14536046.
- Lu, T., & Sivaramakrishnan, K. (2009). Mandatory audit firm rotation: Fresh look versus poor knowledge. *Journal of Accounting and Public Policy*, 28(2), 71-91.
- Malaysian Code of Corporate Governance (2012). Securities Commission. Kuala Lumpur.
- Malaysian Code on Corporate Governance. (September 2007). Kuala Lumpur: Securities Commission
- McMullen, D. A., & Raghunandan, K. (1996). Enhancing audit committee effectiveness. Journal of Accountancy, 182(2), 79.
- Menon, K., & Williams, J. D. (1994). The use of audit committees for monitoring. *Journal of Accounting and Public Policy*, 13(2), 121-139.
- Mohamed, Z., Mat Zain, M., Subramaniam, N., Yusoff, W., & Fadzilah, W. (2012). Internal audit attributes and external audit's reliance on internal audit: implications for audit fees. *International Journal of Auditing*, 16(3), 268–285.
- Mohd Saleh, N., Mohd Iskandar, T., & Mohid Rahmat, M. (2007). Audit committee characteristics and earnings management: Evidence from Malaysia. *Asian Review of Accounting*, 15(2), 147-163.
- Muhamad Sori, Z., Mohamad Ramadili, S. and Karbhari, Y. (2009), "Audit committee and auditor independence: the bankers' perception", *International Journal of Economics and Management, Vol. 3, pp. 317-31.*
- Muniandy, B. (2007). CEO duality, audit committee effectiveness and audit risks. *Managerial Auditing Journal*, 22(7), 716-728.
- Nahar Abdullah, S., Zalina Mohamad Yusof, N., & Naimi Mohamad Nor, M. (2010). Financial restatements and corporate governance among Malaysian listed companies. *Managerial Auditing Journal*, 25(6), 526-552.
- Naiker, V., & Sharma, D. S. (2009). Former audit partners on the audit committee and internal control deficiencies. *The Accounting Review*, 84(2), 559-587.
- Naimi, M., Nor, M., Rohami, S., & Wan-Hussin, W. N. (2010). Corporate governance and audit report lag in Malaysia. *Asian Academy of Management Journal of Accounting and Finance*, 6(2).

- Othman, R., Ishak, I. F., Arif, S. M. M., & Aris, N. A. (2014). Influence of Audit Committee Characteristics on Voluntary Ethics Disclosure. *Procedia-Social and Behavioral Sciences*, 145, 330-342.
- Otley, D. T. (1980). The contingency theory of management accounting: achievement and prognosis. *Accounting, Organizations and Society*, *5*(4), 413-428.
- Parker, R. H. (1992). *MacMillan Dictionary of Accounting*, 2nd edn, London: MacMillan.
- Pedro Sánchez Ballesta, J., & Garcia-Meca, E. (2005). Audit qualifications and corporate governance in Spanish listed firms. *Managerial Auditing Journal*, 20(7), 725-738.
- Peecher, M. E. (2002). Discussion of evaluating financial reporting quality: The effects of financial expertise vs. financial literacy. *The Accounting Review*, 77(s-1), 169-173.
- Persons, O. S. (2005). Relation between the new corporate governance rules and the likelihood of financial statement fraud. *Review of Accounting and Finance 4* (2), 125-148
- Persons, O. S. (2009). Audit committee characteristics and earlier voluntary ethics disclosure among fraud and no-fraud firms. *International Journal of Disclosure and Governance*, 6 (4), 284-297.
- Pfeffer, J., & Salancik, G. R. (1978). The external control of organizations: A resource dependence approach. NY: Harper and Row Publishers.
- Pucheta-Martínez, M. C., & De Fuentes, C. (2007). The impact of audit committee characteristics on the enhancement of the quality of financial reporting: An empirical study in the Spanish context. *Corporate Governance: An International Review*, 15(6), 1394-1412.
- Public Oversight Board (POB), 1994. In the Public Interest, POB, Stamford, CT
- Public Company Auditing Oversight Board \_PCAOB\_. 2004. An Audit of Internal Control over FinancialReporting Performed in Conjunction with an Audit of Financial Statements. Auditing Standard No. 2. Washington, D.C.: PCAOB.
- Puan, Y. (2009). Audit committee characteristics and risk management of Malaysian listed firms.
- Puri, R., Trehan, R., & Kakkar, H. (2010). Corporate governance through audit committee: a study of the Indian corporate sector. *IUP Journal of Corporate Governance*, 9(1/2), 47.
- Raghunandan, K., W. J. Read, and D. V. Rama. 2001. Audit committee composition, "gray directors," and interaction with internal auditing. *Accounting Horizons* 15 (2): 105–118.
- Raghunandan, K., & Rama, D. V. (2007). Determinants of audit committee diligence. *Accounting Horizons*, 21(3), 265-279.
- Ramachandran, J., Subramanian, R., & Kisoka, I. J. (2012). Effectiveness of Internal Audit in Tanzanian Commercial Banks. *British Journal of Arts and Social Sciences*, 8(1), 32–44.

- Ramamoorti, S. (2003). Internal auditing: history, evolution, and prospects. *The Institute of Internal Auditors Research Foundation*, 1-23.
- Rickling, M. (2014). Audit Committee Characteristics and Repeatedly Meeting-Beating Analyst Forecasts. *International Journal of Business*, 19(2), 173.
- Rittenberg, L. E., & Covaleski, M. (1999). Outsourcing the internal audit function: The British government experience with market testing. *International Journal of Auditing*, 3(3), 225-235.
- Rochmah Ika, S., & Mohd Ghazali, N. A. (2012). Audit committee effectiveness and timeliness of reporting: Indonesian evidence. *Managerial Auditing Journal*, 27(4), 403-424.
- Saidin, S. Z. (2014). Internal audit effectiveness: Data screening and preliminary analysis. *Asian Social Science*, *10*(10), 76.
- Salleh, N. M. Z. N., & Haat, M. H. C. (2014). Audit Committee and Earnings Management: Pre and Post MCCG. *International Review of Management and Business Research*, 3(1), 307-318.
- Sarbanes-Oxley Act (SOX), 2002. Public Law No. 107-204, Government Printing Office, Washington, DC.
- Sarens, G. 2009. Internal auditing research: Where are we going? *International Journal of Auditing 13 (1):1–7*
- Sarens, G., & De Beelde, I. (2009), "Internal audit: the expert in providing comfort to the audit committee the case of risk management and internal control", *British Accounting Review*, Vol. 41 No. 2, pp. 90-106.
  - Sarens, G., & Abdolmohammadi, M. J. (2011). Monitoring effects of the internal audit function: agency theory versus other explanatory variables. *International Journal of Auditing*, 15(1), 1-20.
  - Sarens, G., Abdolmohammadi, M. J., & Lenz, R. (2012). Factors associated with the internal audit function's role in corporate governance. *Journal of Applied Accounting Research*, 13(2), 191-204
  - Schmidt, J., & Wilkins, M. S. (2012). Bringing darkness to light: The influence of auditor quality and audit committee expertise on the timeliness of financial statement restatement disclosures. *Auditing: A Journal of Practice & Theory*, 32(1), 221-244.
  - Schneider, A., & Church, B. K. (2008). The effect of auditors' internal control opinions on loan decisions. *Journal of Accounting and Public Policy*, 27(1), 1-18.
  - Securities and Exchange Commission (SEC) (2003), Report Pursuant to Section 204 of the Sarbanes-Oxley Act of 2002. Washington, DC: US Government Printing Office.

- SEC (2004), Accounting and Auditing Enforcement Release No. 1944: SEC vs. Corrpro Companies, Inc. http://www.sec.gov/litigation/litreleases/lr18547.htm
- Shafie, R., Hussin, W. N. W., Yusof, M. A. M., & Hussain, M. H. M. (2009). Audit firm tenure and auditor reporting quality: Evidence in Malaysia. *International Business Research*, 2(2), 99.
- Shamsher, M., & Zulkarnain, M. S. (2003). How Effective Are Audit Committees? From the Perspective of Internal Auditors, External Auditors and Institutional Investors. *The Chartered Secretary Malaysia, the Journal of the Malaysian Association of the Institute of Chartered Secretaries and Administrators.*
- Sharma, V. D., & Iselin, E. R. (2006). Reputation, tenure and compensation of independent audit committee members and financial restatements. *Business Papers*.
- Sharma, V. D., & Iselin, E. R. (2012). The association between audit committee multiple-directorships, tenure, and financial misstatements. Auditing: *A Journal of Practice & Theory*, 31(3), 149-175.
- Shleifer, A., & Vishny, R. W. (1997). A survey of corporate governance. *The Journal of Finance*, 52(2), 737-783.
- Shockley, R. A. (1982). Perceptions of audit independence: A conceptual model.
- Siagian, F. T., & Tresnaningsih, E. (2011). The impact of independent directors and independent audit committees on earnings quality reported by Indonesian firms. *Asian review of Accounting*, 19(3), 192-207.
- Simunic, D. A. (1980). The pricing of audit services: Theory and evidence. *Journal of accounting research*, 161-190.
- Soh, D. S., & Martinov-Bennie, N. (2011). The internal audit function: Perceptions of internal audit roles, effectiveness and evaluation. *Managerial Auditing Journal*, 26(7), 605-622.
- Spira, L. F., & Page, M. (2003). Risk management: The reinvention of internal control and the changing role of internal audit. *Accounting, Auditing & Accountability Journal*, 16(4), 640-661.
- Sultana, N., Singh, H., der Zahn, V., & Mitchell, J. L. (2015). Audit Committee Characteristics and Audit Report Lag. *International Journal of Auditing*, 19(2), 72-87.
- Smith Report (2003), *Audit Committees Combined Code of Guidance* (Financial Reporting Council, January, London)
- Sweeney, A. P. (1994). Debt-covenant violations and managers' accounting responses. *Journal of accounting and Economics*, 17(3), 281-308.

- Tabachnick, B. G., & Fidell, L. S. (2007). *Using Multivariate Statistics* (5th ed.). Boston, MA: Allyn & Bacon.
- Tabachnick, B. G., Fidell, L. S., & Osterlind, S. J. (2001). *Using multivariate statistics*. New York: Harper Collins College.
- Thoopsamut, W., & Jaikengkit, A. O. (2009). The relationship between Audit committee characteristics, Audit firm size and Earnings management in quarterly financial reports of companies listed in the Stock Exchange of Thailand. In *Selected Contributions from the 8th Global Conference/Firenze University Press*.
- Tsui, J., & Gul, F. A. (2000). Corporate Governance and Financial Transparencies in the Hong Kong-Special Administrative Region of The People's Republic of China. In *Proceedings of the 2nd Asian Roundtable on Corporate Governance*.
- Turley, S., & Zaman, M. (2004). The corporate governance effects of audit committees. *Journal of Management and Governance*, 8(3), 305-332.
- Vafeas, N., & Waegelein, J. F. (2007). The association between audit committees, compensation incentives, and corporate audit fees. *Review of Quantitative Finance and Accounting*, 28(3), 241-255.
- Vanstraelen, A. (2000). Impact of renewable long-term audit mandates on audit quality. *European Accounting Review*, 9(3), 419-442.
- Verschoor, C. 2002. Reflections on the audit committee's role. The Internal Auditor 2: 26-35.
- Wallace, W. A., & Kreutzfeldt, R. W. (1991). Distinctive characteristics of entities with an internal audit department and the association of the quality of such departments with errors\*. *Contemporary Accounting Research*, 7(2), 485-512.
- Wooldridge, J. M. (2010). Econometric analysis of cross section and panel data. MIT press.
- Xie, B., Davidson, W. N., & DaDalt, P. J. (2003). Earnings management and corporate governance: the role of the board and the audit committee. *Journal of Corporate Finance*, 9(3), 295-316.
- Yang, J. S., & Krishnan, J. (2005). Audit committees and quarterly earnings management. *International Journal of Auditing*, 9(3), 201-219.
- Yatim, P. (2010). Board structures and the establishment of a risk management committee by Malaysian listed firms. *Journal of Management & Governance*, 14(1), 17-36.
- Ye, P., Carson, E., & Simnett, R. (2011). Threats to auditor independence: The impact of relationship and economic bonds. *Auditing: A Journal of Practice & Theory*, 30(1), 121-148.

- Zahra, S. A., & Pearce, J. A. (1989). Boards of directors and corporate financial performance: A review and integrative model. *Journal of Management*, 15(2), 291-334.
- Zain, M. M., Subramaniam, N., & Stewart, J. (2006). Internal auditors' assessment of their contribution to financial statement audits: The relation with audit committee and internal audit function characteristics. *International Journal of Auditing*, 10(1), 1-18.
- Zain, M. M., & Subramaniam, N. (2007). Internal auditor perceptions on audit committee interactions: A qualitative study in Malaysian public corporations. *Corporate Governance: An International Review*, 15(5), 894-908.
- Zaman, M., Hudaib, M., & Haniffa, R. (2011). Corporate governance quality, audit fees and non-audit services fees. *Journal of Business Finance & Accounting*, 38(1-2), 165-197.
- Zaman, M., & Sarens, G. (2013). Informal interactions between audit committees and internal audit functions: Exploratory evidence and directions for future research. *Managerial Auditing Journal*, 28(6), 495-515.
- Zanni, T. J., & Terrell, M. C. (2002). CFOs and audit committees: Mutual expectations. *The CPA Journal*, 72(2), 54.
- Zhang, Y., Zhou, J., and Zhou, N., (2007). Audit committee quality, auditor independence, and internal control weaknesses. *Journal of Accounting and Public Policy*, Vol. 26, pp.300.
- Zulkarnain M.S. and Shamsher, M. (2007) Audit Committee Reporting: Current Practices of Companies Listed on the Kuala Lumpur Stock Exchange (Bursa Malaysia), *International Journal of Economics and Management*, 1, 203 227.

Universiti Utara Malaysia