

Special Issue for "Asia International Conference (AIC 2015), 5-6 December 2015, Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia"

An Integrative Proposed Model of Corporate Governance: The Corporate Governance Mechanisms Mediates the Relationship between Board Intellectual Capital and Corporate Performance

Seyed Taghi Pardis^{1*}, Saudah Sofian², Dewi Fariha Abdullah³

¹Faculty of Management, Universiti Teknologi Malaysia, Skudai Johor, Malaysia, ²Faculty of Management, Universiti Teknologi Malaysia, Skudai Johor, Malaysia, ³Faculty of management Universiti Teknologi Malaysia, Skudai Johor, Malaysia. *Email: stpardis@yahoo.com

ABSTRACT

Corporate governance (CG) foster dynamic economic growth, increase financing, reduces costs of capital, manage stakeholder interest which ultimately increase corporate performance (CP). Researchers have argued that employees must be inspired by CG practices to manage the conflicts of interest. There is a growing need for integrative model for CG, however the gaps are still exist in the literature on CG mechanism (CGM) and their mediating role to influence the interlinkages between board intellectual capital (BIC) and CP. This study propose an integrative model CG by reviewing the literature CGM, prior models and relevant constructs of BIC, structures, process, and performance. This paper synthesizes the thinking arising from the review of previous literature and models of CG, and proposes an integrative research model. From the perspectives CG, this study argues that the new model should explore the relationship among BIC, CGM and CP.

Keywords: Intellectual Capital, Corporate Governance, Performance JEL Classifications: G34, O16, O34

1. INTRODUCTION

In 21st century knowledge economies, intellectual capital (IC) of the firms is catalyst to achieve business goals, remain competitive and improve corporate performance (CP) (Earnest and Sofian, 2013). It is concerned with recognizing and assessing the elusive resources that contribute to value creation. It is "economic value" attached to three categories of intangible resources, namely, human capital (HC), organizational capital and social capital (Sullivan, 1998; Spender et al., 2013). IC is sum of all existing knowledge that is implanted in the human resource, organizational routines and networks of an organization (Kong and Thomson, 2009). IC is distinctive competency which enables an organization to gain and maintain competitive advantage (Kong and Prior, 2008). Although many studies have been conducted to tape the impact of different constituents of IC (e.g., HC, structural capital, internal and external relational capital) have on CP (Perrez-Arrau et al., 2014). Recently findings by Heisig (2014), on this basis his 221

interviews of Knowledge Management expert around the globe, suggested that researcher should address the value contribution of knowledge management and aim towards a behavioral turn in their study with more emphasis on human and social factors. Particularly, the impact of board IC on its performance is yet to be unveil.

Beside IC, corporate governance (CG) is another instrumental for better CP, as it directs and monitors the corporate affairs (Sarbah and Xiao, 2015). The importance of CG increased from the collapse of financial institutions during Asian financial crisis in 1997-1999, which is led to focus on board structure. Then, there were major corporate frauds and accounting scandals in developed countries (e.g., Enron, WorldCom in the US, Parmalat Maxwell and Polly Peck in Europe and HIH insurance in Australia) in the early 2000. Finally, recent global economic crisis of 2008/2009 explodes after Lehman Brothers Holdings bankruptcy, the largest bankruptcy proceeding in US history (Wiggins et al., 2014). Eventually, there have been raised serious doubts about the effectiveness of board in protecting the interest of shareholders and other stakeholders.

CG revolve around board as they devise business strategies, ensure monitoring and control, and play advisory role (Adams et al., 2010; Agrawal and Knoeber, 2000). Hence, board of directors (BOD) has vital player in providing "good CG" to a corporation (Romano and Guerrini, 2014). The conflicting nature of the stakeholders' interest makes the role of board even more pivotal. Therefore, board IC (BIC) can create value for the organization and improve CG mechanism (CGM) through knowledge, experience, information, relationships, routines, procedures, and spirituality.

CGM (board structures, board processes and board performance) remained a center of attention of academicians and practitioners (Mehrabani, 2012). This attention has been based on the embedded utility of CG in better CP, and development of capital markets in an economy (Sarbah and Xiao, 2015). There are many studies which explores the impact one component of CGM on other like impact of board structure, and process, on board performance (Ali and Nasir, 2014; Eulerich et al., 2014). While other studies explore board mechanisms relationship with CP (Fauzi and Locke, 2012; Viet, 2013; Ahmed Sheikh et al., 2013 and Johl et al., 2015). There is no evidence that CGM was incorporated as mediator in relation of IC and CP. This study aims to fill this gap by examining the mediating effects of CGM on the relationship between BIC and different dimensions of CP.

The concept of CP merges from the efficiency of the company and achieve its objectives being the major affair for the corporate in the long run to survive. The continuous value creation and longterm business performance is related to the board activities and performance (Monks and Minow, 2008). According to Ogbechie (2012), the company performance is reflected from both quality and the effectiveness of its directors. Given the significant role of the boards in the organizations, it is still important to understand the level of influence of BOD on CP.

2. LITERATURE REVIEW AND HYPOTHESIS DEVELOPMENT

The literature on all the variables of proposed framework and their interrelationships have been articulates in subsequent section in order to draw hypothesis.

2.1. BIC and CP

For achieving superior performance and competitive advantage, companies are investing in intangibles assets (Salehi et al., 2014). The existence of IC has been frequently recognized as invaluable intangible asset, which closely related with the development of strategic decisions and improve CP (Brooking, 1997; Stewart and Ruckdeschel, 1998; Bounfour, 2003). Roos et al. (2007) defined IC as all non-monetary and non-physical resources that are fully or partly controlled by the organization and that contribute to the organization's value creation. Apart from three generally accepted components of IC (human, structural, and relational

capitals), Ismail (2005) added another component that is called spiritual capital (SpC) as the fourth element of IC.

In last decade, many researchers have studied the effect of IC components on CP. The findings of majority of these studies conclude that IC is positively associated CP (Sofian et al., 2006; Zerenler and Gozlu, 2008; Kamukama et al., 2010; Sharabati et al., 2010; Phusavat et al., 2011; Abdullah and Sofian, 2012; Sumedrea, 2013; Jamshidy et al., 2014; Salehi et al., 2014; Abdullah et al., 2015). In the context of the BIC, Nicholson and Kiel (2003) defined IC as the collection of knowledge, information, experience, relationship, routines, procedures and culture that the board may employ to create value (Stewart, 1997). Ironically, little attempt has been made so far to measure the impact of BIC on CP. Based on this evidence and theoretically grounding on HC theory of Becker (1978), the current study hypothesis that BIC would also positive impact on CP. In this study, BIC has two components: HC and SpC. HC in this study related to knowledge, skills and abilities possessed by directors (Nicholson and Kiel, 2004) while SpC relates to morale, faith, honesty, ethics, desire and motivation, commitment, self-esteem, enthusiasm and sincerity. The preceding research gap and arguments propose the following hypothesis for verification:

H1a: The board's HC has positive relationship with CP.

H1b: The board's SpC has positive relationship with CP.

2.2. BIC and CGM

The CGM, refers to the structure of board, its functionality (board process) and output (board performance). BOD and their capacity plays a primitive in CGM as competent and knowledgeable directors can design effective mechanisms which would yield all stakeholders' objectives (Huyghebaert and Wang, 2012). The notion of agency theory, resource based view, stakeholder theory and resource dependency theory, theoretically support the argument that boards and their abilities are key to board mechanisms.

Board structures refers to the board size, independent directors, and gender diversity. After going through literature, it is evident, that previous research has studied the impact of board structure on board performance (Scarborough et al., 2010; Minichilli et al., 2012; Saat et al., 2011; Amoli and Esmaeil, 2013; Kim et al., 2014), board processes (Adams et al., 2010; Mande et al., 2013) and CP (Fauzi and Locke, 2012; Ahmed Sheikh et al., 2013; Alamer et al., 2015; Lückerath-Rovers, 2013; Wijethilake et al., 2015). But no one has seen board structure as outcome variable, particularly exploring the impact board's IC on board structure. For instance, the competency, dedication, and moral values, of directors can have influence on board size, inclusion of independent directors, and female directors. Hence, current study set forth follow hypothesis for validation:

H2a: The board's IC has relationship with board structure (board size).

H2b: The board's IC has relationship with board structure (board independence).

H2c: The board's IC has relationship with board structure (gender diversity).

Board process refers to the ways directors interact and behave as they carry out their duties (Finkelstein and Mooney, 2003). Forbes and Milliken (1999) have classified board process into three categories: (1) Effort norms (2) cognitive conflicts and (3) use of Knowledge and Skills. Effort norm represents vigor of individual's behavior (Kanfer, 1990), cognitive conflict refers to "task-oriented differences in judgment among group members" (Forbes and Milliken, 1999), and "Functional knowledge and skills" cover expertise in critical business areas such as accounting, law, and marketing (Ong and Wan, 2008). Literature reviews reflects that in all major CG frameworks (Forbes and Milliken, 1999; Nicholson and Kiel, 2004; Levrau and Van den Berghe, 2007; Ogbechie, 2012), board process were used as intervening variable between an independent variable and board performance. These studies further reveals that board processes have positive relationship with board performance. There hardly any study which has check the influence of BIC on board process. Hence, current study set forth follow hypothesis for validation:

H3a: The board's IC has relationship with board process (effort norm).

H3b: The board's IC has relationship with board process (cognitive conflict).

H3c: The board's IC has relationship with board process (use of knowledge and skills).

Board performance refers to the ability of the board in executing its roles. Zahra and Pearce (1989) have identified three main role regarding board includes monitoring and control, service, and strategic management. Monitoring and control tasks pertains to "watchdog" role of board members (Chen, 2008), service role is related to advisory and counseling of CEO (Guest, 2008), strategic role requires board involvement in formulation of vision, mission, and strategies (Machold et al., 2011; Machold and Farquhar, 2013). In existing literature board performance is always assumed as an outcome of board structures and processes (Minichilli et al., 2009, 2012; Zattoni et al., 2015; Ong and Wan, 2008; Ogbechie, 2012) and there in scarcity of evidence in literature, where relationship of board's IC with board performance was established. Hence, current study set forth follow hypothesis for validation:

H4a: The board's IC has relationship with board performance (monitoring and control).

H4b: The board's IC has relationship with board performance (service).

H4c: The board's IC has relationship with board performance (strategic).

2.3. CGM and CP

CP reflects the effectiveness of organization operation and therefore considered as massively explored area in organization

research (Palacios-Marqués et al., 2013). In last decade there have been an influx of studies measuring the impact of board structure (Fauzi and Locke, 2012; Viet, 2013; Ahmed Sheikh et al., 2013; Ali and Nasir, 2014; Johl et al., 2015), board process and board performance (Forbes and Milliken, 1999; Levrau and Van den Berghe, 2007; Ogbechie, 2012; Jamshidy et al., 2014; Zattoni et al., 2015) on CP. Hence, in this study we will reaffirm the relationship of constituents of CGM on CP and also to complete the sequential relationship of our proposed theoretical framework. Hence, we propose our hypothesis as follows:

H5a: The CGM (board structure) has relationship with CP.

H5b: The CGM (board process) has relationship with CP.

H5c: The CGM (board performance) has relationship with CP.

2.4. Meditating CGM in the Relationship between BIC and CP

In CG literature the constituents of CGM has been used as meditators in the relationship of different independent variable and CP. The important frameworks of CG, authored by (Forbes and Milliken, 1999; Nicholson and Kiel, 2004; Levrau and Van den Berghe, 2007; Ogbechie, 2012), are supported evidences of such meditating role of different components of CGM.

In their framework, Forbes and Milliken (1999) uses board processes (effect norms, cognitive conflict, and use of knowledge and skills), as meditator, which mediates the relationship of board characteristics (board demography, and presence of knowledge and skills), and board and firm level outcomes. Similarly, Nicholson and Kiel (2004)' framework uses board performance (controlling and organizing, and providing advice to management and resources), as meditators while establishing a relationship between BIC, and board and organization outcomes. The pervious framework by (Levrau and Van den Berghe, 2007) reported that the board process (debate or cognitive conflict) mediates the relationship of board structure (board size, board independence and board diversity) on board performance and CP.

Based on an input, process, output approach (Ogbechie, 2012) relied on premise that board characteristics of board size, leadership, independence, and diversity, and HC have influence on process of board decision-making, cohesiveness and administrative operations, which have significant impact on the effectiveness of boards. The authors distinguished board process and board performance constructs as intervening constructs with believe that they will mediate the direct impact of board characteristics on CP.

Hence, it's obvious from literature that prior to the current study all research efforts have assumed one or two components as mediators. This study hypothesis the whole CGM (board structure, board process and board performance) in a novel relationship of BIC and CP. Hence, following hypothesis are set for testing:

H6a: The BIC (HC) indirectly affects CP through its effect on board structure.





H6b: The BIC (HC) indirectly affects CP through its effect on board process.

H6c: The BIC (HC) indirectly affects CP through its effect on board performance.

H6d: The BIC (SpC) indirectly affects CP through its effect on board structure.

H6e: The BIC (SpC) indirectly affects CP through its effect on board process.

H6f: The BIC (SpC) indirectly affects CP through its effect on board performance.

2.5. Theoretical Framework

After critically reviewing the popular CG frameworks proposed by (Forbes and Milliken, 1999; Nicholson and Kiel, 2004; Levrau and Van den Berghe, 2007; Ogbechie, 2012), the current research endeavor has developed a holistic framework for examining how BIC (HC and SpC) affect CP through CGM (board structure, board process and board performance). The proposed research framework (Figure 1) takes a unique variables (board human and SpC) as input in order to determine the CP of a today's knowledge era firm. This model hypothesis a novel relationship between BIC and CGM.

In nutshell this research paper proposes an integrative theoretical framework which is based on the prior relevant research studies literature (Forbes and Milliken, 1999; Nicholson and Kiel, 2004; Levrau and Van den Berghe, 2007; Ogbechie, 2012). In addition, this study proposes research hypotheses which can be empirically and statistically tested by future research studies.

The current framework further assumes that CP is determined by the three constituents of CGM (board structure, board process and board performance) and mediation of CGM also add newness to this framework. To examine the interlinkages among various constructs and their dimensions in proposed conceptual framework would provide a meaningful insight into the CG research and body of knowledge and explore new relationships to developed hypotheses.

3. CONCLUSION

This research paper proposes on integrative research model of IG and CG. The previous research studies have frequently

reported that IC and CG is significantly impact on CP. CG boost up economic growth, reduces costs of capital, and influence stakeholder interest to increase CP. Researchers have argued that CG practices can reduce employees' conflicts of interest. This paper synthesizes the thinking arising from the review of previous literature and models of CG, and proposes an integrative research model. From the perspectives CG, this study argues that the new model should explore the relationship among BIC, CGM and CP.

REFERENCES

- Abdullah, D., Sofian, S. (2012), The Relationship between Intellectual Capital and Corporate Performance. Procedia-Social and Behavioral Sciences, 40, 537-541.
- Abdullah, D., Sofian, S., Bajuri, N. (2015), Intellectual Capital as the Essence of Sustainable Corporate Performance. Pertanika Journal of Social Sciences and Humanities, 23(s), 131-144.
- Adams, R., Hermalin, B., Weisbach, M. (2010), The role of boards of directors in corporate governance: A conceptual framework and survey. Journal of Economic Literature, 48, 58-107.
- Agrawal, A., Knoeber, C. (2000), Do some outside directors play a political role? Journal of Law and Economics, 44(1), 179-198.
- Alamer, A.R.A., Salamon, H.B., Qureshi, M.I., Rasli, A.M. (2015), CSR's measuring corporate social responsibility practice in Islamic banking: A review. International Journal of Economics and Financial Issues, 5(1S), 198-206
- Ali, A., Nasir, S.B. (2014), Impact of board characteristics and audit committee on financial performance: A study of manufacturing sector of Pakistan. Research Journal of Finance and Accounting, 5(7), 144-151.
- Amoli, M.M., Esmaeili, G. (2013), Corporate governance: Board of directors' strategic role and its influence on financial function automobile companies registered and listed in stock exchange of Tehran. Journal of American Science, 9(12s), 31-38.
- Becker, G.S. (1978), The Economic Approach to Human Behavior. Chicago: University of Chicago Press.
- Bounfour, A. (2003), The Management of Intangibles: The Organisation's Most Valuable Assets. Vol. 16. New York: Psychology Press.
- Brooking, A. (1997), The management of intellectual capital. Long Range Planning, 30(3), 364-365.
- Chen, D. (2008), The Monitoring and Advisory Functions of Corporate Boards: Theory and Evidence. Working Paper SSRN 1327066.
- Earnest, D.F., Sofian, S. (2013), The mediating role of corporate governance on intellectual capital and corporate performance. Journal of Economics, Business and Management, 1(4), 339-342.
- Eulerich, M., Velte, P., Van Uum, C. (2014), The impact of management board diversity on corporate performance. An empirical analysis for the german two-tier system. An empirical analysis for the german two-tier system (November 8, 2013). Problems and Perspectives in Management (PPM), 12, 25-39.
- Fauzi, F., Locke, S. (2012), Board structure, ownership structure and firm performance: A study of New Zealand listed-firms. Asian Academy of Management Journal of Accounting and Finance, 8(2), 43-67.
- Finkelstein, S., Mooney, A.C. (2003), Not the usual suspects: How to use board process to make boards better. The Academy of Management Executive, 17(2), 101-113.
- Forbes, D.P., Milliken, F.J. (1999), Cognition and corporate governance: Understanding boards of directors as strategic decision-making groups. Academy of Management Review, 24(3), 489-505.

Guest, P.M. (2008), The determinants of board size and composition: Evidence from the UK. Journal of Corporate Finance, 14(1), 51-72.

Heisig, P. (2014), Advancements, Challenges and Future Research

in Knowledge Management: Results from a Global Expert Study. Proceedings of the European Conference on Knowledge Management, 1, 419.

- Huyghebaert, N., Wang, L. (2012), Expropriation of minority investors in Chinese listed firms: The role of internal and external corporate governance mechanisms. Corporate Governance: An International Review, 20(3), 308-332.
- Ismail, M. (2005), The Influence of Intellectual Capital on the Performance of Telekom Malaysia. Universiti Teknologi Malaysia, Business and Advanced Technology Centre.
- Jamshidy, M., Sofian, S., Bajuri, N.H., Karchegani, M.R., Mousavi, B. (2014), Mediating role of board of directors' functions between intellectual capital components and overall firm performance in iranian high IC firms. Journal of Applied Sciences, 17, 2750-2766.
- Johl, S.K., Kaur, S., Cooper, B.J. (2015), Board characteristics and firm performance: Evidence from Malaysian public listed firms. Journal of Economics, Business and Management, 3(2), 239-243.
- Kamukama, N., Ahiauzu, A., Ntayi, J.M. (2010), Intellectual capital and financial performance in Uganda's microfinance institutions. African Journal of Accounting, Economics, Finance and Banking Research, 6(6), 17-31.
- Kanfer, R. (1990), Motivation theory and industrial and organizational psychology. Handbook of Industrial and Organizational Psychology. Vol. 1. No. 2. Palo Alto, CA: Consulting Psychologists Press. p75-130.
- Kim, K., Mauldin, E., Patro, S. (2014), Outside directors and board advising and monitoring performance. Journal of Accounting and Economics, 57(2), 110-131.
- Kong, E., Prior, D. (2008), An intellectual capital perspective of competitive advantage in nonprofit organisations. International Journal of Nonprofit and Voluntary Sector Marketing, 13(2), 119-128.
- Kong, E., Thomson, S.B. (2009), An intellectual capital perspective of human resource strategies and practices. Knowledge Management Research and Practice, 7(4), 356-364.
- Levrau, A., Van den Berghe, L.A. (2007), Corporate governance and board effectiveness: Beyond formalism. ICFAI Journal of Corporate Governance, 6(4), 58-85.
- Lückerath-Rovers, M. (2013), Women on boards and firm performance. Journal of Management and Governance, 17(2), 491-509.
- Machold, S., Farquhar, S. (2013), Board task evolution: A longitudinal field study in the UK. Corporate Governance: An International Review, 21(2), 147-164.
- Machold, S., Huse, M., Minichilli, A., Nordqvist, M. (2011), Board leadership and strategy involvement in small firms: A team production approach. Corporate Governance: An International Review, 19(4), 368-383.
- Mande, B., Ishak, Z., Idris, K., Ammani, S. (2013), Using structural equation modeling to explain board process and board performance in a developing economy. International Journal of Global Business, 6(1), 58.
- Mehrabani, F. (2012), Corporate governance, Iran stock market and economic growth. International Journal of Trade, Economics and Finance, 3(5), 370-373.
- Minichilli, A., Zattoni, A., Nielsen, S., Huse, M. (2012), Board task performance: An exploration of micro and macro level determinants of board effectiveness. Journal of Organizational Behavior, 33(2), 193-215.
- Minichilli, A., Zattoni, A., Zona, F. (2009), Making boards effective: An empirical examination of board task performance. British Journal of Management, 20(1), 55-74.
- Monks, R.A., Minow, N. (2008), Corporate Governance. 4th ed. Oxford: Blackwell.
- Nicholson, G.J., Kiel, G.C. (2003), Toward an integrative theory of boards of directors the intellectual capital of the board. Proceedings

of the 2003 Proceedings of the Annual Meetings of the Academy of Management. p1-34.

- Nicholson, G.J., Kiel, G.C. (2004), A framework for diagnosing board effectiveness. Corporate Governance: An International Review, 12(4), 442-460.
- Ogbechie, C.I. (2012), Key Determinants of Effective Board of Directors-Evidence from Nigeria. Brunel University Brunel Business School PhD Theses.
- Ong, C., Wan, D. (2008), Three conceptual models of board role performance. Corporate Governance: The International Journal of Business in Society, 8(3), 317-329.
- Palacios-Marqués, D., Peris-Ortiz, M., Merigó, J.M. (2013), The effect of knowledge transfer on firm performance: An empirical study in knowledge-intensive industries. Management Decision, 51(5), 973-985.
- Perez-Arrau, G., Suraj, O., Heisig, P., Kemboi, C., Easa, N., Kianto, A. (2014), Knowledge Management and Business Outcome/ Performance: Results from a Review and Global Expert Study with future research. Proceedings of the 2014 British Academy of Management Conference. p9-11.
- Phusavat, K., Comepa, N., Sitko-Lutek, A., Ooi, K.B. (2011), Interrelationships between intellectual capital and performance: Empirical examination. Industrial Management and Data Systems, 111(6), 810-829.
- Romano, G., Guerrini, A. (2014), The effects of ownership, board size and board composition on the performance of Italian water utilities. Utilities Policy, 31, 18-28.
- Roos, G., Roos, G., Pike, S., Fernstrom, L. (2007), Managing Intellectual Capital in Practice. Amsterdam: Routledge.
- Saat, N.A.M., Karbhari, Y., Heravi, S., Nassir, A.M. (2011), Effective Oversight roles of board of directors: The case of listed firms on Bursa Malaysia. World Review of Business Research, 1(1), 231-245.
- Salehi, M., Enayati, G., Javadi, P. (2014), The relationship between intellectual capital with economic value added and financial performance. Iranian Journal of Management Studies, 7(2), 259-283.
- Sarbah, A., Xiao, W. (2015), Good corporate governance structures: A must for family businesses. Open Journal of Business and Management, 3(01), 40.
- Scarborough, S., Haynie, J.J., Shook, C. (2010), Board composition, process, and activism: Evidence within American firms. Management and Marketing, 5(1), 3-18.
- Sharabati, A.A.A., Naji Jawad, S., Bontis, N. (2010), Intellectual capital and business performance in the pharmaceutical sector of Jordan. Management Decision, 48(1), 105-131.
- Sheikh, A.N., Wang, Z., Khan, S. (2013), The impact of internal attributes of corporate governance on firm performance: Evidence from Pakistan. International Journal of Commerce and Management, 23(1), 38-55.
- Sofian, S., Tayles, M., Pike, R. (2006), The implications of intellectual capital on performance measurement and corporate performance. Jurnal Kemanusiaan, 8, 13-24.
- Spender, J.C., Bednarz-Łuczewska, P., Bordianu, A., Rohaert, S. (2013), Intangibles: Theory, categories, and the Kozminski matrix. Knowledge Management Research and Practice, 11(2), 101-111.
- Stewart, T., Ruckdeschel, C. (1998), Intellectual Capital: The New Wealth of Organizations. Wiley Online Library.
- Stewart, T.A. (1997), Intellectual Capital: The New Wealth of Organizations. New York, NY, USA: Doubleday; 1997.
- Sullivan, P.H. (1998), Profiting from Intellectual Capital: Extracting value from Innovation. New York: John Wiley & Sons.
- Sumedrea, S. (2013), Intellectual capital and firm performance: A dynamic relationship in crisis time. Procedia Economics and Finance, 6, 137-144.

- Viet, P.H. (2013), Board structure and corporate financial performance: Empirical evidence from Vietnam's listed firms. The Bulletin of The Graduate School of Commerce, Waseda University, 78, 205-231.
- Wiggins, R.Z., Piontek, T., Metrick, A. (2014), The Lehman Brothers Bankruptcy A: Overview. Yale Program on Financial Stability Case Study.
- Wijethilake, C., Ekanayake, A., Perera, S. (2015), Board involvement in corporate performance: Evidence from a developing country. Journal of Accounting in Emerging Economies, 5(3), 250-268.
- 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.
- Zattoni, A., Gnan, L., Huse, M. (2015), Does family involvement influence firm performance? Exploring the mediating effects of board processes and tasks. Journal of Management, 41(4), 1214-1243.
- Zerenler, M., Gozlu, S. (2008), Impact of intellectual capital on exportation performance: Research on the Turkish automotive supplier industry. Journal of Transnational Management, 13(4), 318-341.