Board governance mechanisms and sustainability reporting quality: A theoretical framework

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Abstract: The presumed poor performance in terms of sustainability commitments and Sustainability Reporting Quality (SRQ) of quoted companies have incentivized stakeholders’ agitation relating to the Economic, Environmental, and Social (EES) impacts of companies’ operations. Business activities have generated several threats in the form of climate change, pollution, GHG emission as well as natural disasters, and several other problems that have negatively affected the environment and stakeholders. Companies are expected to report their sustainability performance to stakeholders. However, the quality of such sustainability reports has been critically criticized as they are mostly assumed to fall below stakeholders’ expectations. This study aims to conceptually examine the association between board governance mechanisms and SRQ in Malaysia. The method adopted by this study is the review of previous literature on sustainability reporting practices and...
SRQ to gain insight into drawing a proposition regarding the relationship between board attributes and SRQ of PLCs in Malaysia. Through this method, the study generally verifies the SRQ of firms and how it is influenced by board attributes. Based on the insight from the reviewed past investigations, the study concludes in its proposition that there is a positive association between the examined board governance elements and SRQ based on multiple theories. The study has practical implications for the companies, regulators, government, and other stakeholders in their policy considerations and investment decisions. The study recommends an empirical study to re-investigate SRQ employing the variables used in this study and more board attributes to enhance the generalizability of the findings.

Subjects: Economics; Environmental Economics; Finance; Business, Management and Accounting

Keywords: board governance mechanisms; sustainability reporting quality; economic impact; environmental impact; social impact; Malaysia

1. Introduction

The concept of Sustainability Reporting Practice (SRP) is about meeting stakeholders’ sustainability information needs relating to the Economic, Environmental, and Social (EES) impacts of companies’ business operations (World Commission on Environment and Development (WCED), 1987). The occurrence of natural disasters like flooding, earthquake, and the increase in carbon emission, as well as issues of pollution (water and air) and social inequality, have become a major challenge globally (Chong, 2019; Manning et al., 2019; Yusoff et al., 2006). These disasters are considered to be the consequences of poor sustainability practices associated with economic growth in terms of industrialization and globalization (Ansong, 2017; Zainal, 2013). Consequently, Malaysians like the rest of the world are worried following the report of the Ministry of Energy, Science, Technology, Environment, and Climate Change (MESTECC) concerning their experience and the anticipated negative effect of climate change (The Star, 2019). Hence, it was documented that sustainability issues cost the Malaysian Government a whole lot of money (over RM10 billion) in the past 20 years (Chong, 2019; The Star Online, 2019; Zurairi, 2018). Therefore, in the recent past years, several academic investigations in the field of accounting center on sustainability issues which have generated serious debate (Yusoff & Lehman, 2009). Meanwhile, the sustainability concerns of the companies’ stakeholders can be achieved through companies’ sustainability performance and the credible disclosure of sustainability information via Sustainability Reports (SRs) (Betianu, 2010; Deegan, 2013). Hence, stakeholders are perceived to give more preference to firms that are seen to be sustainably responsible (Mahoney et al., 2013). This by implication means that firms ought to be good corporate citizens through behaving responsibly or sustainably while pursuing the economic objectives of their businesses (Ansong, 2017; Gherghina & Simionescu, 2015; Ong, 2016; Ong & Djajadikerta, 2017). This is because, it is through a credible sustainability performance and disclosure that sustainable development could be achieved otherwise, the purpose of SRP will be defeated.

However, putting Sustainability Reporting Quality (SRQ) into consideration, it is observed that mistrust, lack of confidence, and skepticism towards firms always prevail among stakeholders and academic scholars (Lock & Seele, 2016) which negates the assumptions of the agency and stakeholder theories (Freeman, 1984; Jensen & Meckling, 1976). This is because, in a situation where there is a lack of genuine compliance with regulations and guidelines for Sustainability Reporting (SR), firms may decide voluntarily the probability and extent of publishing their Sustainability Performance (SP) through SRs (Manning et al., 2019). Such a situation has been documented to have created a credibility gap between SP and SRQ (Manning et al., 2019). For instance, employing the assumptions of the signaling theory, managers could disclose SP
information just to signal its SP to stakeholders thereby gaining competitive advantages like the cost of equity reduction and better or easy financing (Cheng et al., 2014; Dhillwal et al., 2011) which is synonymous with self-presentation theory (Goffman, 1959; Cho et al., 2018). Also, firms with poor SP are known for using the lens of legitimacy theory to subdue legitimacy threats from public pressures. In this situation, the management employs sustainability reporting as a tool for managing stakeholders’ perceptions, to decrease the negative effect of poor SP on the company’s reputation and legitimacy (Brammer & Pavelin, 2006; Freedman & Patten, 2004). The issue is, not reporting or masking poor SP reduces SRQ hence the firm’s sustainability commitments or activities may not be presented fairly in every material respects (Boiral, 2013; Cho et al., 2012; Reimsbach & Hahn, 2015). As such, stakeholders most times view sustainability information as been strategic thereby lacking expected quality and credibility (Lock & Seele, 2016). Even though SR has received scholarly and empirical attention considerably, such attention focuses more on the probability or extent (quantity) of SR and the effect of firm and board attributes (Hahn & Kühnen, 2013; Lock & Seele, 2016) while very little attention has been granted SRQ just as very little is also known concerning the contextual factors affecting the quality of SR (Hahn & Kühnen, 2013). Consequently, SRs have received critical criticism for lack of transparency and credibility occasioned by being poor in quality notwithstanding voluntary standardization (Lock & Seele, 2016; Milne & Gray, 2013).

Sustainability reports are as a result guilty of expanding the credibility gap in which the legitimacy of firms is threatened in the society, leading to corporate greenwashing (Lock & Seele, 2016; Seele & Gatti, 2017). The poor sustainability practice is a function of poor sustainability performance and disclosures that make SRQ a challenge that calls for scholarly investigations. Hence, studies concerning SRQ is devoid of consensus and under-researched as emphasized by previous studies (e.g., Amran et al., 2014; Anas et al., 2015; Huang & Watson, 2015; Jain & Jamali, 2016; Sadou et al., 2017; Yusoff et al., 2015). This is because, the SRP of most firms is for the mere disguise of compliance with relevant regulations without much concern for reporting quality as portrayed by extant literature (e.g., Loza Adaui, 2020; Milne & Gray, 2013; Yusoff et al., 2015; Zahid et al., 2016). The less concern for SRQ is as well portrayed by the percentage of external assurance of SRs which is 45% globally and 12% in Malaysia (Lawrence & Thomas, 2018; Peng, 2018), notwithstanding that independent third-party assurance, is one of the key determinants of SRQ (Bursa Malaysia, 2018; Fernandez-Feijoo et al., 2018; GRI, 2016). As such, the credibility of SRPs has been extensively debated just like its usefulness and transparency which have been equally criticized empirically (Boiral, 2013; Boiral & Gendron, 2011; Cho et al., 2015, 2018). Moreover, the marketing aim and the lack of material and balanced disclosures have received harsh criticism in prior investigations (Boiral & Henri, 2017; Cho et al., 2015, 2018; Puroila, 2018). As a result, SRQ is seen to be falling short of stakeholders’ expectations as their confidence is negatively affected (Boiral & Heras-Saizarbitoria, 2020) and the purpose of SRP extensively defeated. This indicates that SRs can not be taken as being of expected quality without being thoroughly verified to be so (Cho et al., 2018; Junior et al., 2014).

Meanwhile, most sustainability reporting studies were conducted in the developed economies compared to emerging or developing countries. Sustainability studies in the developing economy dwell more on the probability and extent of disclosures, determinants of disclosure, signaling firm reputation, and for international comparisons of disclosures (Hahn & Kühnen, 2013; Larrán-Jorge & Martínez, 2013; Odriozola & Baraibaier-Diez, 2017). Justifying that there is a dearth of SRQ studies (Loza Adaui, 2020; Yusoff et al., 2015). In this case, Malaysia is not an exception considering the less empirical attention on SRQ and the calls for further investigations (e.g., Aziz & Rosmiza, 2017; Hussain et al., 2018; Zahid et al., 2016, 2020). Therefore, to address the issues surrounding SRQ, the role of the board in terms of corporate governance mechanisms is pertinent, hence the transparency and credibility of corporate reporting bother on effective board in terms of monitoring (MCCG, 2017; Osazuwa et al., 2017). Although, corporate scandals like Enron, WorldCom and others like Sime Darby, Kenmark Ltd, and Linear Corporation in Malaysia, were attributed to corporate governance failure which has caused stakeholders much concern in terms of the
credibility of corporate reporting (Abdulmalik & Che-Ahmad, 2019; Ofoegbu et al., 2018). This situation has informed several reforms in corporate governance worldwide and specifically in Malaysia (Abdulmalik & Che-Ahmad, 2019). For example, the Revised Malaysian Code of Corporate Governance (MCCG) 2017 and the revised Malaysian Sustainability Reporting Guide (SRG) in 2018 (Bursa Malaysia, 2017, 2018). Nonetheless, the corporate governance issue entails the application of governance mechanisms that could synchronize stakeholders and management interests (Osazuwa et al., 2015). Most studies relating to board governance were conducted based on the lens of the agency theory by examining various board attributes and the performance of firms (Aguilera et al., 2008; Osazuwa et al., 2015, 2017). But, the present study aligns agency theory with legitimacy, stakeholder, critical mass, resource dependence, and Socio-Emotional Wealth (SEW) theories to avail the board the opportunity of making sure issues concerning sustainability are attended to by companies. Thereby responding to stakeholders’ information needs credibly and legitimizing the activities of companies as well as saving the environment and the people from disasters.

Further, the effectiveness of the board of directors is most times questioned by asymmetric information occasioned by the self-serving spirit of managers (Fama & Jensen, 1983; Jensen & Meckling, 1976). So, ameliorating information asymmetry is crucial in enhancing SRQ through an effective board. Hence, prior studies have established that an effective board is crucial in ensuring a credible SRP (Garcia-torea et al., 2016; Lau et al., 2016). Besides, studies document that the association between board governance and sustainability reporting demands further scholarly attention (Hussain et al., 2018; Yusoff et al., 2015). Consequently, this study is to look into the questions: (1) Is there a relationship between board attributes like board gender diversity, board communication, board integrity, political connection, external assurance, and SRQ? (2) Do family-controlled firms moderate the relationship between these variables and SRQ? Therefore, the main aim of this research is to x-ray conceptually the association between the mentioned board governance attributes and SRQ as well as looking into the interacting role of family-controlled firms. To the best knowledge of the researcher, this constitutes the first study employing these variables in this combination as depicted by the research framework in Figure 1. The combination of these variables makes the present study differs from the very few previous studies on SRQ especially in Malaysia (e.g., Abd-Mutalib et al., 2014; Ahmed Haji, 2013; Sadou et al., 2017; Zahid et al., 2016, 2020; Zainal, 2013, 2017). Meanwhile, this study is motivated by the scanty research concerning the association between corporate governance and SRQ (Hussain et al., 2018; Loza Adaui, 2020; Yusoff et al., 2015) and the necessity of SRQ in ameliorating the negative impact of companies’ operations on stakeholders and the wider society to achieve sustainable development which is the essence of SRPs. Moreover, this study is informed by the fact that extant literature (e.g., Ahmad, 2017) posits that transparency in sustainability disclosures remains a weak tradition in Malaysia and that most companies engage in SRP for merely disguising compliance with regulations for the sake of obtaining legitimacy and portraying their reputation (Zahid et al., 2016). This according to Cho et al. (2012) “consequently could lead to a decline in real sustainability performance and causes un-sustainability that ironically contradicts the fundamental notion of sustainability” (Ong, 2016, p. 6).

The present study is therefore of immense significance as it contributes to sustainability reporting research in accounting being among the few studies that examine SRQ which has been acknowledged by previous investigations to be under-researched especially in emerging economies (Amran, Lee et al., 2014; Anas et al., 2015; Loza Adaui, 2020; Yusoff et al., 2015). Moreover, most studies on SR and especially SRQ are conducted in the developed economies (Gnanaweera et al., 2018), but the current study examines SRQ in an emerging economy like Malaysia. The study further extends the body of knowledge by the introduction of salient internal (e.g., gender diversity, board communication, board integrity, political connection, and family-controlled firms) and external (independent third-party assurance) governance mechanisms that have not been employed by past investigations in examining SRQ. Board gender diversity is viewed from the perspective of critical mass which bothers on the number of female directors (at least 30%) as against mere or token representation of one female director on the board, which has been less examined in terms of SRQ. The study also highlights the association of board communication in terms of overlapping directorship with SRQ, as directors overlap has been studied
more relating to firm value, boards’ monitoring effectiveness, and the quality of corporate financial reporting (Kalelkar, 2017; Samuel et al., 2019; Sassen et al., 2018; Velte, 2017) compared to SRQ. Equally, examining SRQ from the perspective of board integrity is rare, especially in the Malaysian context. In the same vein, the study is among the few research to associate firms’ political connection with SRQ as well as bringing to bear the role of external assurance in SRQ which has received the least attention in the Malaysian sustainability studies. The study equally examines the interacting effect of family-controlled firms in SRQ in consideration of the inconclusiveness of previous SR research. Based on these variables, this study theoretically adds to existing knowledge through the application of the assumptions of the agency, legitimacy, stakeholder, critical mass, resource dependence, and SEW theories to explain their linkage with SRQ. Practically, the current study is of immense significance to stakeholders (e.g., the government, management of companies, host communities, suppliers, creditors, potential investors, and NGOs), as it hopes to engage PLCs in Malaysia to put into consideration SRQ in their investment and policy considerations.

The remaining part of this work is structured as follows: Section 2 presents a literature review relating to sustainability reporting quality and corporate governance mechanisms while section 3 is about the methodology and research framework. Finally, section 4 presents the conclusion and outlines the limitations of the study as well as suggestions for further research.

2. Literature review and research proposition

2.1. Conceptual definition

Sustainability Reporting (SR) idea was made popular after the United Nations General Assembly (UNGA) in the year 1987 (Deegan, 2013; Ong, 2016). This is because, issues relating to sustainable development are occupying the center of affairs globally such that the responsibilities of corporate organizations are not limited to the maximization of shareholders’ wealth but include the creation of value for the entire society (Gherghina & Simionescu, 2015). Sustainable development was defined officially by the WCED as “the development that meets the present needs without denying the future generations the opportunity to meet their own needs” (World Commission on Environment and Development (WCED), 1987). From the UNGA and the WCED’s perspectives, the issue of sustainability reporting became more popular and a global ideology (Guenthier et al., 2006; Guthrie & Abeysekero, 2006; Ong, 2016). Consequently, the Global Reporting Initiative (GRI) came up with an elaborate sustainability reporting framework. The GRI, therefore, defined SR as “reporting on how an organization contributes or aims to contribute in the future, to the improvement or deterioration of economic, environmental and social conditions, developments, and trends at the local, regional or global level” (Global Reporting Initiative (GRI), 2015, p. 17). These definitions were adopted by the accounting profession and Bursa Malaysia (Bursa Malaysia, 2006; KPMG, 2015; PricewaterhouseCoopers (USA), 2014). So, SR constitutes the medium by which companies’ stakeholders are communicated sustainability information relating to the sustainability performance of companies (Gnanaweera et al., 2018; Hernández-Perlines & Ibarra Cisneros, 2017; Schaltegger & Wagner, 2006).

2.2. Corporate governance mechanisms and sustainability reporting quality

The quality of SRs is significant and relevant for making several kinds of decisions in the desire for sustainable development worldwide by company stakeholders. Contrarily, companies in the bid to protecting their legitimacy mostly disclose unrealistic and misleading sustainability information (Cho et al., 2012, 2015, 2018). Besides, more positive sustainability information is disclosed compared to negative ones, thereby exposing the stakeholders to only positive information which consequently affects their confidence in the SRs (Gray & Milner, 2002; Unerman et al., 2014). This harms the image of firms and such practice equally poses risk to sustainable development in terms of the impact of firms’ operation on society hence the main purpose of SRP is defeated (Luo & Tang, 2014; Unerman et al., 2014). Firms in such a situation only employ SRP as linguistic devices to portray firm image by disclosing unrealistic sustainability information in the form of powerful fiction to legitimize their operations (Gray, 2010; Cho et al., 2012; Milne & Gray,
This increases stakeholders’ pressure on the demand for transparent and credible corporate sustainability reports globally to show companies’ sustainability commitments realistically (Al-Shaer & Zaman, 2016). However, research concerning the determinants of sustainability disclosure has attracted empirical attention from both developed and developing countries. As such, studies have examined the role of some specific firm characteristics and board attributes (e.g., Amran et al., 2014; García-torea et al., 2016; Hashmi et al., 2018; Herda et al., 2012; Hussain et al., 2018; Manning et al., 2019; Sadou et al., 2017; Shahab & Ye, 2018). For instance, García-torea et al. (2016) conducted a study in Spain employing board effectiveness proxied with “board size and independence, CEO duality, women on board, directors’ experience, board meetings, and board committees” covering 17 countries with a sample of 2366 companies. From the perspective of stakeholder theory and stakeholder orientation of the firms’ system of corporate governance which is proxied by the transparency of SRs and the PLS method of analysis; the study discovered that transparent SRs are associated with firms that operate in the stakeholder-oriented countries. The study generally indicated that an effective board of directors is most likely to address stakeholders’ interests. Meanwhile, transparency is measured as a reflection of four characteristics in assessing the content and quality of SRs putting into consideration the GRI guidelines. Similarly, Hu and Loh (2018) carried out cross-sectional research involving 462 firms in Singapore, by adopting the SRQ index from sustainability reporting scores of a prior investigation by Loh et al. (2016) based on four dimensions of SR. The study employed agency theory and through a linear and logistic regression document an increase in the quality of SRs which is associated with board attributes like “board capacity (larger board sizes and a higher number of board meetings), board independence, and board incentive”.

However, other studies, on the contrary, have documented that the mere fact that companies engage in SRPs does not expressly mean that the information disclosed is of the quality expected by stakeholders (Junior et al., 2014). Some extant literature investigated the association between certain board attributes and SRQ but document negative associations for several reasons. For instance, most organizations in the bid to legitimizing their operations disclose unrealistic sustainability information that is misleading (Cho et al., 2012, 2015, 2018; Luo & Tang, 2014). To buttress this, Manning et al. (2019) studied sustainability disclosure quality in Netherland using SEM-PLS in examining the association between “board effectiveness (board independence, sustainability expertise, and board diversity)” and SRQ from 2012 to 2016. The study through the application of signaling, legitimacy, and stakeholder theories discovered that corporate sustainability performance is negatively associated with SRQ of companies that are poor sustainability performers. This is consistent with Hummel and Schlick (2016) in their study of SRQ that covers several countries (e.g., Spain, Germany, Switzerland, Italy, France, Sweden, and/or the United Kingdom) using the GRI sustainability disclosure index (G3.1 version). The multivariate regression analysis discovered that firms that are poor in sustainability performance opt for low-quality disclosure by disguising their actual sustainability performance to protect their legitimacy which portrays the application of the theory of self-presentation (Goffman, 1959) as emphasized by past observations (Cho et al., 2015, 2018). Thereby, justifying the view of Cho et al. (2015) who posited that “the possible role that corporate sustainability disclosure can play in any transition towards a less unsustainable society remains unclear” (p. 91). The lack of clarity according to the author is blamed on organized hypocrisy. It is therefore quite obvious that the empirical evidence in terms of comparing SRQ of companies is devoid of consensus and demands more investigations (Loza Adauí, 2020).

Nonetheless, drawing the issue closer to the Asian emerging market, the issue of SRQ becomes more compounded as very few studies have been conducted on SRQ especially in Malaysia (Yusoff et al., 2015). For instance, Ahmad (2017) who investigated the relationship between board independence and sustainability reporting using agency theory from 2008 to 2013 via content analysis, concluded that transparency remains weak in Malaysian sustainability disclosures, thereby upholding the opinion of Aaijaz and Ibrahim (2012). Also, Amran, Lee et al. (2014) conducted “a cross-sectional study of 113 companies in twelve countries of the Asia-Pacific Region based on legitimacy theory and resource-based view. The study employed multiple regression to investigate the
association between board composition (size, independence, and gender diversity), CSR strategies (organizational vision and mission, CSR Committee, and NGO collaboration) and SRQ”. It concludes that SRQ in these countries left much to be desired and requires improvement. Thereby calling for more research relating to the responsibilities of the board concerning the reporting process regarding accountability. This is supported by Abd-Mutalib et al. (2014), who used a quality index on a scale of 4 points (0 to 3) to posit that SRQ of PLCs in Malaysia needs improvement as the content of the reports are more of general and qualitative information rather than quantitative. Further, Zahid et al. (2016), using the GRI guideline in a longitudinal study to examined SRQ of 113 PLCs (Real Estate Investment Trust-REIT and Property Sectors) in Malaysia from 2010 to 2013 based on a content analysis found that the social dimension was more focused than the environmental dimension. The author equally emphasized that SR is at its embryonic stage and dwells more on qualitative disclosures as most companies disclose sustainability information for mere compliance with relevant regulations. However, employing ownership structure, independence, the board size, and sustainability award to examine SRQ in 2011 and 2014, Sadou et al. (2017) through content analysis and a quality index based on a scale of 0 to 3 in a multiple regression model discovered a fair improvement in sustainability disclosure quality in Malaysia. This study upheld the view of Ahmed Haji (2013) and Zainal (2013). Similarly, in a more recent study by Katmon et al. (2019) using content analysis based on a sustainability quality indicators of 20 items to develop a sustainability disclosure quality index weighed on the scale of 0 to 3. The study from the perspective of agency and resource dependence theories via multivariate regression documents a positive relationship between board diversity (educational level, tenure, and gender) and sustainability disclosure quality.

From the mixed results of the above studies and the fact that SRQ research remains a grey area that deserves further empirical attention, especially in Malaysia, the current study is motivated. This is consistent with Hussain et al. (2018) and Yusoff et al. (2015) who believe that the association between board governance attributes and SRQ is under-researched. Therefore, the present study aims to conceptually look at SRQ in Malaysia through the review of crucial board governance attributes like board diversity (gender diversity based on critical mass), board communication, board integrity, political connection, external assurance, and the interacting effect of family-controlled firms. These variables to the best of the researchers’ knowledge make the current study differs from previous research on SRQ, especially in Malaysia. The following sections review relevant literature on these variables.

2.2.1. Board diversity
Board diversity has been considered an important concept that enhances board effectiveness in terms of good governance and has attracted both scholarly and corporate attention. Board diversity entails the heterogeneity of board members based on different dimensions which are to the advantage of the firms (Rao & Tilt, 2016). It enhances the effectiveness of the board relating to corporate leadership, thereby enhancing the performance of companies (Carter et al., 2011; Rao & Tilt, 2016). As a result, several attributes concerning the diversity of the board for example, independence, age, ethnicity, gender, nationality, and others have been investigated in connection with SR in previous studies (Al-Shaer & Zaman, 2016; Harjoto et al., 2015; Ibrahim & Haneefah, 2016; Rao & Tilt, 2016; Zhuang et al., 2018). These studies show the significant effect of gender diversity on sustainability disclosures which indicates the corporate relevance of female directors (Rao & Tilt, 2016). Hence, gender diversity enhances balanced decision as the way of thinking of women differs from men (Bakar et al., 2019). Also, the female directors are more sensitive to issues concerning sustainability, more generous in terms of community issues, and are more stakeholder-oriented as they pay attention to employees, the environment, and communities, and have different leadership style (Adams, 2015; Al-Shaer & Zaman, 2016; Adams & Ferreira, 2009). Besides, women are known for supporting effective decisions that could enhance the firms’ sustainability strategies thereby improving SR (Al-Shaer & Zaman, 2016; Bakar et al., 2019). Further, women on the board could enhance the credibility of corporate disclosures through the reinforcement of the mechanisms of stakeholder engagement (Manetti & Toccafondi, 2012). In
terms of style of communication and personality, they are different (Liao, Luo, & Tang, 20,015) and are risk-averse regarding the loss of reputation and litigation (Srinidhi et al., 2011).

Meanwhile, based on the argument of Friedman (2007), engaging in SR is symptomatic of agency problems which could be ameliorated by an effective board that enhances firms’ responsibility in terms of SRP through gender diversity (Bakar et al., 2019; Jo & Harjoto, 2011). This is consistent with previous studies like Harjoto et al. (2015) in the USA; Ibrahim and Hanefah (2016) in Jordan; and Al-Shaer and Zaman (2016) in the UK that document a significant positive association between board gender diversity and SR. In the same vein, there are studies in Malaysia relating to board gender diversity and SR that depicts a significant positive relationship (e.g., Amran et al., 2014; Abdullah & Ismail, 2013; Bakar et al., 2019; Katmon et al., 2019; Zahid et al., 2020). On the contrary, other investigations recorded a significantly negative relationship between gender diversity and SR (Abdullah & Ismail, 2013; Handajani et al., 2014; Zhuang et al., 2018). This means the relationship between the two variables is still devoid of consensus and inconclusive, even though most of the studies point to positive associations. Equally, most of the existing studies concerning gender diverse board relate to financial outcomes of firms such as earnings management, earnings quality, stock price informativeness, and earnings forecast accuracy of analysts (Gul et al., 2013; F.A. Gul et al., 2011; Krishnan & Parsons, 2008; Srinidhi et al., 2011). This points to the fact that board gender diversity enhances the transparency of corporate reports and ameliorates asymmetric information (Al-Shaer & Zaman, 2016). Most of the sustainability studies view gender diversity through the lens of tokenism (i.e. from the angle of a token representation of a female on the board) as against critical mass (i.e., the least of 30% female representation) which is the focus of the present research. Most importantly, there is less attention given to SRQ from the critical mass perspective of gender diversity.

However, extant literature from the perspective of Critical Mass Theory (CMT) (Kanter, 1977) has shown a linkage between gender diversity and SR. The CMT concerns the average number of female directors on the board relating to policy effect and making change as an influential body against tokenism and its limitation (Kanter, 1977; Torchia et al., 2011). Hence, having 3 females and above on corporate boards eliminates the focus of female director representation from just gender to showing female talent with every sense of confidence without much pressure (Konrad et al., 2008). Consequently, the CMT posits that unless a particular level of females on the board of directors is reached, the positive effect of gender diversity may not be easily achieved (Kanter, 1977). In line with the theory, Joecks et al. (2013) found in Germany that a critical mass (30% or 3) of female representation on the board is associated with high firm performance. Al-Shaer and Zaman (2016) in the UK equally document an increased SRQ based on the number of female directors on the board. The positive effect of female directors on SRQ is also evident in the few Malaysian sustainability disclosure quality research (e.g., Bakar et al., 2019; Katmon et al., 2019; Zahid et al., 2020). But these studies mostly looks at the proportion or ratio of female representation and not the critical mass of at least 3 or 30% female representation that constitutes the measure of gender diversity in this study. Based on the relevance of female directors from the perspective of CMT as shown by extant literature, this study proposes that board gender diversity is positively associated with SRQ.

2.2.2. Board communication

Board communication is one of the crucial tools for the effectiveness of a diverse board. Hence, the success of a diverse board rests heavily on effective communication to reduce the negative effect of diversity (Samuel et al., 2019). Board members are effectively and adequately informed in the board discussion process if the avenue for effective communication is made feasible (Malenko, 2013). Such effective communication has been established to be made possible through overlapping directorship (Samuel et al., 2019). Overlapping directorship is a situation in which a board member serves simultaneously or concurrently on two or more board committees (Chandar et al., 2012; Velte, 2017). For instance, an audit committee member serving on the compensation committee simultaneously (Kalekar, 2017). Such overlap creates homophily as against...
heterophily, thereby necessitating effective collaborative communication in the face of a diverse board (Samuel et al., 2019) and enhancing the quality of corporate reporting (Chandar et al., 2012; Kalelkar, 2017). Moreover, studies have documented that over 60% of sampled companies at least have a member serving concurrently on both audit and compensation committees (Liao & Hsu, 2013). However, most of the studies relating to directors’ overlap concern the quality of financial reporting, audit effectiveness, and firm value with mixed findings (e.g., Chandar et al., 2012; Kalelkar, 2017; Karim et al., 2016; Liao & Hsu, 2013; Samuel et al., 2019; Sassen et al., 2018; Srinidhi, 2019; Velte, 2017). For example, Habib and Bhuiyan (2014, 2016) observed that overlapping membership is known for spillover of knowledge that increases expertise and the committees’ quality of monitoring. This is supported by previous investigations which concludes that directors’ overlapping improves corporate reporting quality (Chandar et al., 2012; Fernández Méndez et al., 2017; Habib & Bhuiyan, 2016; Madi et al., 2015; Velte, 2017). On the contrary and consistent with the busybess hypothesis (Tanyi & Smith, 2015), committee members overlap leads to over-commitment that could diminish the effectiveness of individual committees as they become very busy and thereby negatively affecting the quality of corporate disclosures (Kalelkar, 2017; Laux & Laux, 2009; Liao & Hsu, 2013). Therefore, exploring the lens of the agency, legitimacy, and stakeholder theories (Freeman, 1984; Jensen & Meckling, 1976; Suchman, 1995), the present study posits a positive relationship between overlapping directorship and SRQ. This is because, based on insight from extant literature, which documents overlapping directorship to be positively associated with the financial reporting quality of firms, it means that the same association could be established with the quality of non-financial reporting (sustainability reporting).

2.2.3. Board integrity

Studies on corporate integrity are scarce to come by in most emerging economies especially relating to sustainability reporting compared to the developed countries. Integrity is a concept that is very crucial in terms of the success of both public and private businesses. Integrity birthed transparency and accountability in most human endeavors through the act of honesty, sincerity, and uprightness (Ismail, 2010). It is also viewed as the corporate organization’s ethical or behavioral predispositions relating to the norms of society (Huberts, 2014). Corporate integrity bothers on the organizations’ commitment to transparency (Cecchetti et al., 2018; OECD, 2017). As such, Cecchetti et al. (2018) look at transparency in this regard to concern the credibility of corporate reporting (whether financial or non-financial and mandatory or voluntary) which is necessitated by the firms’ commitment to integrity. This as an act of corporate good governance enhances accountability and legitimizes companies’ operations (Cecchetti et al., 2018). Therefore, corporate integrity has caught scholarly attention mostly in the developed economies relating to the effectiveness and the success of firms via the monitoring role of corporate boards to ensure the credibility of information disclosures (e.g., Agyei-Mensah, 2017; Cecchetti et al., 2018; Coulson-Thomas, 2013; Gajewski & Li, 2015; Huberts, 2014). Hence, several firms engage in the misrepresentation of information as a way of deceiving stakeholders (Coulson-Thomas, 2013; Goffman, 1959; Cho et al., 2015, 2018). Coulson-Thomas (2013) stressed that “sometimes there is a wide gap between appearance and substance, concealment rather than transparency, and obfuscation rather than enlightenment in corporate disclosures” (p. 32). Consequently, good corporate governance is duty-bound to alleviate or prevent integrity violations and protect the interest of stakeholders (Bank., 2014; Coulson-Thomas, 2013; Leipziger, 2015). As a result, firms’ board of directors serves as a fundamental tool in addressing integrity issues relating to the quality of corporate reports through their monitoring influence on the companies’ activity and disclosures (Cecchetti et al., 2018; Gajewski & Li, 2015). In other words, the board has to as a matter of obligation ensure, sustain, and enforce the culture of integrity for firms’ credible disclosure of information by setting the ethical tone (Brenner & Molander, 1977; Cecchetti et al., 2018; Soutar et al., 1994). Cecchetti et al. (2018) concludes that companies whose boards uphold integrity principles effectively, disclose mostly a credible corporate information and this is consistent with the stakeholder and legitimacy theories of SRP. Integrity, in this case, is measured by the author using 5 activities that were noted as “markers of integrity” (e.g., the adoption of ethics or behavior code; programmatic documents for corruption prevention; internal job rotation; whistleblowing policies; and training
and learning program on corruption and integrity) (Cecchetti et al., 2018). Based on the above reviews, the current study proposes a positive relationship between board integrity and SRQ.

2.2.4. Political connection

Firms conduct businesses in an environment prepared by the government and this makes the study of firms’ political patronage crucial regarding the quality of information disclosure. Hence, the political connection of firms is a crucial element in board governance (Wang et al., 2018). Issues surrounding political connection has attracted scholarly attention in different dimensions since the birth of the idea in 1974 by Krueger (Krueger, 1974; Wang et al., 2018). Malaysian PLCs are not missing out in the act of political patronage as studies have documented that Malaysia is among the countries whose public listed firms have the highest rate of political connection (Faccio et al., 2006; Fung et al., 2015). Companies are deemed to be politically connected (directly or indirectly) as portrayed by prior studies (e.g., Ang et al., 2013; Faccio et al., 2006; Faccio, 2010; Faccio, 2007) if any of the senior management personnel (e.g., the chairman, executive director, a major equity holder, vice-president, and others) occupies a higher government position (e.g., the prime minister, president—current or former, government minister and others). The political connection of firms is for various reasons (be it positive or negative) and so, viewed from different perspectives by authors (Ang et al., 2013; Fan & Wong, 2004; Fung et al., 2015). As such, studies abound concerning the relationship of Politically Connected Firms (PCFs) with CSR disclosure, economic value, audit fees, firm performance, earnings quality, firm value, tax aggressiveness and more (Abdul Wahab et al., 2017; Ang et al., 2013; Chaney et al., 2011; Hashmi et al., 2018; Muttakin et al., 2018; Osazuwa et al., 2017; Wang et al., 2018). While some authors (Ahmad, 2014; Muttakin et al., 2018; Osazuwa et al., 2017; Wang et al., 2018) found a positive effect of PCFs, others found a negative effect on the contrary (Abdul Wahab et al., 2017; Faccio, 2007; Hashmi et al., 2018; Muttakin et al., 2018; Rahman et al., 2018). The mixed findings indicate the inconclusiveness of the studies concerning PCFs. Meanwhile, studies concerning PCFs’ association with SRQ are scarce especially in the Malaysian context.

However, from the perspective of resource dependence and legitimacy theories (Pfeffer & Salancik, 1978; Suchman, 1995; Thompson, 1967), Wang et al. (2018) argued that via political connection, resources (e.g., subsidy, bailout, and others) and legitimacy could be obtained by firms (Hillman et al., 1999). While the firms in return for these benefits (resources and legitimacy), tend to comply with the sustainable development policies of the government (Wang et al., 2018). Moreover, the institutional logic perspective of the resource dependence theory posits that people have different logic of decision-making and liken the process of decision-making of PCFs to that of government. This logic emphasized that PCFs have the propensity of investing in sustainability to enable them to achieve the SDGs of government (Hillman et al., 1999). Based on these arguments and Malaysia being a stakeholder-oriented nation that made SR mandatory as updated in Sustainability Practice Note 9 (Bursa Malaysia Securities Berhad, 2017), this study, therefore, posits a positive association of PCFs with SRQ.

2.2.5. External assurance

In line with the International Audit Assurance Standards Board (IAASB), external assurance engagement is defined as “an engagement in which a practitioner aims to obtain sufficient appropriate evidence to express a conclusion designed to enhance the degree of confidence of the intended users other than the responsible party about the outcome of the measurement or evaluation of an underlying subject matter against criteria” (IAASB, 2011, p. 19). Previous literature has analyzed the process of external assurance based on multiple theories like the agency, signaling, legitimacy, stakeholder, and neo-institutional theories (Boiral & Heras-Saizarbitoria, 2020; Hahn & Kühnen, 2013). According to Boiral and Heras-Saizarbitoria (2020) considering the mainstream literature on sustainability assurance, the process of independent third-party assurance promotes accountability to stakeholders through the improvement of the credibility of SRs (e.g., Moroney et al., 2012; Reimsbach et al., 2018; Simnett et al., 2009). Hence, the main purpose of external auditing is generally to promote accountability to the company’s stakeholders. Thereby,
increasing the stakeholders’ trust concerning the reliability of the disclosed information via an independent, undiluted, and impartial assessment of such information (Adams & Evans, 2004; O’Dwyer & Owen, 2007). Therefore, various studies have empirically shown the relevance of the process of external assurance in terms of enhancing and increasing the credibility of SRs from the standpoint of stakeholders (Fuhrmann et al., 2017; Manetti & Toccafondi, 2012; Simnett et al., 2009). This is consistent with previous studies that document a positive association between independent third-party assurance and SRQ (e.g., Boiral & Heras-Saizarbitoria, 2020; Braam & Peeters, 2018; Braam et al., 2016; Fernandez-Feijoo et al., 2018; Hsueh, 2018). This upheld the view of Junior et al. (2014) who argued that the tradition of reporting sustainability performance and assuring such reports is a global phenomenon that is known for enhancing the quality of the disclosed sustainability information. This is because, external assurance enhances public confidence, consolidates stakeholders’ trust, and legitimizes the operation of companies (Braam et al., 2016). This is supported by Hsueh (2018) who posits that third-party assurance mitigates the credibility gap in SRPs. Similarly, Sawani et al. (2010) emphasized that the need for credible SRs in terms of the veracity of the information, the bridging of a credibility gap, and the assurance practice trend birthed the development of standards and guidelines that enhance the auditing process in the practice of sustainability assurance (Manetti & Becatti, 2009). Moreover, the GRI guideline (G4-33) and the Malaysian SRG (section 3.5) recommends the external assurance of SRs to enhance the credibility (Bursa Malaysia, 2018; Global Reporting Initiative (GRI), 2015). However, the assurance of SRs and scholarly research concerning SRQ remain scanty and scarce (Sawani et al., 2010). Consequently, to the above arguments, this study proposes a positive association between external assurance and SRQ.

2.2.6. Family controlled firms

Family firm in this study is taken as an interaction term in the relationship between the independent variables (board gender diversity, board communication, board integrity, politically connected firms, and external assurance) and the dependent variable (SRQ). Family Controlled Firms (FCFs) simply refers to businesses or firms that are owned and controlled by family members. According to Lamb and Butler (2018), the most popular definition of family firms was given by Miller in 2007. Miller et al. (2007) defined FCFs as companies that over 5% of its equity shares are owned by the family and the family has more than one member of the family as executive directors on the board. Whereas, the executive directors combine the duties of both agents and principals (Lamb & Butler, 2018), such that, the agent serving as a principal has the propensity to act more as a steward (Hernandez, 2012; Adams, 1963). In other words, family companies are businesses characterized by heavy participation of founding families in the firms’ operation (Chua et al., 2011, 1999) and associated with fewer agency issues compared to non-family firms (Jensen & Meckling, 1976). Hence, the concentrated ownership stake of the controlling family enhances the effective monitoring or supervision of firms’ management (Anderson & Reeb, 2003). Meanwhile, the FCFs has its peculiar agency problem between the controlling family and the minority shareholders from the perspective of expropriation in which the minority shareholders are subdued (El Ghoul et al., 2016). However, from the perspective of the Socio-Emotional Wealth (SEW) theory, FCFs differs from non-family firms based on the family firms’ inclination to socio-emotional wealth preservation (Cennamo et al., 2012). Thereby, having more attachment for non-economic values (family image and reputation, firm continuity, future generation considerations, building social legitimacy, and others) and with more motivation to be responsible sustainability wise (Cui et al., 2018; Zellweger et al., 2012). Consequently, several studies in both developed and emerging economies have documented that FCFs demonstrates better performance in both financial and sustainability commitments compared to the non-family counterparts (Abdul-Manaf et al., 2013; Amran & Che Ahmad, 2014; Bansal et al., 2018; Che-Ahmad et al., 2020; Cui et al., 2018; Gavana et al., 2017; Lourenço et al., 2019). Such performance is credited to family firms due to their uniqueness in terms of the style of governance (Abdul-Manaf et al., 2013). Although, most of these studies relating to sustainability practice dwell on the probability and the extent or quantity of sustainability disclosure rather than SRQ which is the focus of the present study.
Further, in the Malaysian context, studies as well documented that about 70% of listed companies are own and controlled by families and 85% have owner-managers (Aman & Ismail, 2017; Amran & Che Ahmad, 2014). Besides, Malaysia is said to rank number seven concerning numbers of family own firms worldwide (Wong, 2017). This is an indication that family firms occupy a large business space in Malaysia which shows its relevance to the Malaysian economy. Family members of FCFs are thereby seen as special stakeholders of the company which prompts the family firms to advocate for sustainability practices to meet the needs of stakeholders (Bansal et al., 2018; Lourenço et al., 2019; Marques et al., 2014). This justifies the choice of FCFs as a moderator in addition to the position of Baron and Kenny (1986) in terms of addressing the issue of inconsistencies of findings. That is, where there is a mixed or an inconsistent relationship between the IV and the DV, an interaction term through an indirect effect possibly could explain the scenario (Baron & Kenny, 1986). Moreover, choosing FCFs as an interaction term is to replicate the works of Bansal et al. (2018) which used a sample from 29 countries; Hashmi et al. (2018) in Pakistan; and Che-Ahmad et al. (2020) in Malaysia who employed family firms as moderating variable in their investigations. These authors discovered that family firms could moderate board attributes like board independence, political connection, and CEO career horizons in their associations with CSR disclosure and earnings quality. Therefore, based on these arguments from the perspective of SEW, stakeholder, and legitimacy theories, this study proposes that FCFs moderates the relationship between board governance mechanisms and SRQ.

3. Research method
The method employed by this study is a review of the literature concerning sustainability reporting practices and sustainability reporting quality in association with corporate governance attributes. Through this method, the study got an insight into the level of research regarding sustainability reporting quality and how it has been influenced by board attributes focusing on public listed companies from the Malaysian context.

3.1. Research framework
The significance of companies’ ensuring a credible SRPs has attracted much advocacy. As a result, the identification of the factors or determinants of credible SRP is indispensably important. As such, the present research framework is built on the agency, stakeholder, legitimacy theories which are integrated with the critical mass, resource dependence, and SEW theories. These theories are seen to constitute the appropriate linkage conceptually in firms’ sustainable decisions to act responsibly as good corporate citizens. The agency theory coupled with empirical studies posits that board attributes are vital considerations or elements necessary to solve or ameliorate the agency problems between management and stakeholders due to the separation that subsists between ownership and control (Ajibolade & Uwuigbe, 2013; Fama & Jensen, 1983; Jensen & Meckling, 1976). That is, an effective board monitoring of the management could enhance SRQ. Also, the legitimacy theory which is a popular theory linked to SR is of the view that SRP is a function of the pressure be it economic, environmental, and social through which firms obtain their legitimacy (Suchman, 1995). The firms obtain such legitimacy by acting proportionately with the norms of society via sustainability practices in the form of a social contract (Craig Craig. Deegan, 2000; Lourenço et al., 2019). While society continues to consider the activities of such companies as legitimate. This theory (legitimacy) could be negatively or positively applied based on the sustainability performance level of firms.

Similarly, the stakeholder theory is another popular theory associated with SR which documents the history of determining SRP. This theory emphasizes the responsiveness of firms to the information needs of the stakeholders through SRs (Freeman, 1984; Freeman et al., 2004), which could positively affect the survival as well as the relationship of such companies with their stakeholders (Freeman et al., 2004; Mensah et al., 2017; O'Dwyer, 2002; Şener et al., 2016). Also, this study considers the critical mass theory which is linked to board gender diversity. It postulates that except certain critical mass or threshold of women in terms of their numbers on the board is attained, the positive impact of gender diversity could be hardly achieved (Kanter, 1977).
theory, therefore, suggests at least 30% (3 women) female representation on the board of directors which removes the focus of female representation from mere gender (tokenism) to the showcasing of female talent with utmost confidence and less pressure (Konrad et al., 2008) thereby having a positive effect on board outcomes and quality of corporate disclosure. Empirically, Al-Shoer and Zaman (2016) posit that gender diversity enhances SRQ. Therefore, the critical mass theory is of the view that gender diversity enhances sustainability reporting practices. Moreover, the resource dependence theory is connected to the political connection of firms. The theory asserts that through political connections, companies obtain resources in the form of subsidy from government, bailout, financing as well as legitimacy. In return, such companies do their best to please the government via their commitment to government policies concerning SDGs through sustainability practices. As such the resource dependence theory establishes a link between politically connected firms and SRP which by extension affects the SRQ positively. Finally, this study links the SEW theory to family-controlled firms which constitute an interaction term as shown by the theoretical framework. This theory explains the behavioral disposition of FCFs in terms of their sustainability practices which is based on non-economic values (Marques et al., 2014). For instance, FCFs derive fulfillment and satisfaction from non-economic values (social wealth) like the image, name, continuity, and effective management of stakeholders (Bansal et al., 2018; Gomez-Mejia et al., 2011). This is supported by past research that documents a positive relationship between FCFs and SR (Cui et al., 2018; Gavana et al., 2017; Lourenço et al., 2019). The current study used multiple theories in gaining insight into the relationship between the IVs and the DV as a result of the diversity in the variables employed and this is peculiarly consistent with research relating to SRPs (Boiral & Heras-Saizarbitoria, 2020; Hahn & Kühnen, 2013). The proposed theoretical framework is therefore presented in Figure 1 below:

The model replicates or follows the work of Ahmed Haji (2013) and Manning et al. (2019) with the major difference being that the present work introduced a moderator, employs new and different independent variables while concentrating on sustainability reporting quality as the dependent variable in the Malaysian context. Meanwhile, Ahmed Haji (2013) in his study employed two (2) DVs (sustainability disclosure quantity and quality) with different board attributes between 2006 and 2009 in Malaysia. While Manning et al. (2019) in the Netherlands also employed two (2) DVs (corporate sustainability performance and sustainability reporting quality) using different IVs except for external assurance which serves as a control variable. The study employed multiple theories like agency, legitimacy, stakeholder, and signaling theories in establishing links between the variables (Manning et al., 2019).

4. Conclusion and recommendations

The indisputable importance of the future of the planet earth, the people, resources, and the welfare of stakeholders warrants the concept of sustainability reporting practice to be studied. As a result of globalization, industrialization, and technology, organizations are changing in their nature and stakeholder relationships which requires more attention of boards beyond their traditional responsibilities (control and monitoring of management) to a proactive role. That is, the responsibilities of the board of directors have shifted traditionally from what seems to be shareholder-centric to include various stakeholders as this is highlighted clearly to constitute the wider perspective and roles of contemporary corporate governance (Hung, 2011; Rao & Tilt, 2016). Within such a broader view, board governance mechanisms appear to be a principal factor that could be assumed as a determinant of both SRPs and SRQ (Rao & Tilt, 2016). Therefore, the purpose of this research is to conceptually examine SRQ by considering the role of board governance attributes like board gender diversity, board communication, board integrity, political connection, and external assurance as well as the interacting role of family-controlled firms. Based on previous research, mostly in developed countries, effective board governance and external assurance service documented to have enhanced sustainability performance and the quality of SRs through mixed findings. As a followup to the inconclusive empirical evidence regarding the association between board governance attributes and SRPs, the present study delved into studying the relationship conceptually and conclude based on the insight from reviewed literature as follows: (1) Research concerning SRQ is still very scanty in most emerging economies and specifically in Malaysia.
compared to the developed countries. (2) Proposes a positive association between the reviewed board attributes (i.e. board gender diversity, board communication, board integrity, politically connected firms, external assurance) and SRQ. (3) That FCFs moderates the relationship between the board attributes and SRQ (Bansal et al., 2018; Che-Ahmad et al., 2020; Hashmi et al., 2018). Consequently, this study contributes to the body of knowledge through the examination of these board attributes that have received the least scholarly attention in terms of SRQ in the context of this study. Hence, previous research investigated board governance mostly in association with firm performance, earnings quality, financial reporting quality, firm value, CSR disclosures, and others. The study further adds to existing knowledge via the verification of multiple theories (e.g., agency, legitimacy, stakeholder, critical mass, resource dependence, and SEW theories) as determinants of sustainability practices and SRQ (Hahn & Kühnen, 2013). Aside from the theoretical significance, the study has a practical implication for the government, companies’ management, regulators, and other stakeholders in terms of policy considerations and investment decisions regarding sustainability performance and SRQ. Such could contribute to saving the planet earth and specifically Malaysians from the impact and worries over the existing and impending disasters climatically created by man and nature.

The study, however, suffers certain limitations. For instance, the board governance attributes reviewed are just a few out of so many that could be examined concerning SRQ. Moreover, this study is conceptual, as an empirical investigation is important and required to advance the causal or correlational association between board attributes and SRQ. The study, therefore, recommends that future investigations be empirical and should include other board attributes like sustainability committee, compliance with regulations (e.g., Sustainability Reporting Guide), issues about harmonizing sustainability standards, the different levels of external assurance, and its standards and
other variables in examining SRQ. Further, future research could as well investigate SRQ in more countries for comparative purpose especially within Asia as an emerging market.

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Notes
1. “According to legitimacy theory, corporate legitimacy is required for organizational survival. A company will achieve legitimacy when it is perceived to operate within a socially constructed system of norms, values, and bounds of which the entity is a part. When companies do not satisfy public expectations and requirements, they must cope with increased public pressure, scrutiny, and monitoring, as well as with greater risks to legitimacy” (Manning et al., 2019, p. 2).
2. The World Commission on Environment and Development.
3. “Frequency of reporting, level of application of the GRI guidelines, declaration of the level and assurance”.
4. “governance, economics, environmental, and social”.
5. “Several countries have started adopting either legislative or voluntary initiatives to promote female representation on corporate boards. This includes, for example, Norway (40 % gender quota for female directors or face dissolution), Sweden (25 % voluntary reserve for female directors or threat to make it a legal requirement), Spain (comply-or- explain type law requiring companies to reach up to 40 % female directors by 2015), France (law which requires 50 % gender parity on the board of every public firm by 2015) and more recently Italy (law requiring listed and state-owned companies to ensure one-third of their board members is female by 2015). In addition to European countries, many developing countries such as India, China, Malaysia, and Middle Eastern countries are also recognising the importance of female board members’ talent. Finally, in Australia, the Stock Exchange (ASX) in its recent changes to corporate governance principles now requires listed companies to specifically report on gender diversity at board and senior management levels. Most of these initiatives, whether voluntary or legislative, clearly indicate that the presence of women on boards could affect the governance of companies in significant ways (Adams & Ferreira, 2009)” (Rao & Tilt, 2016).
6. “5 kinds of activities are noted as ‘markers of integrity’. These are: 1. Ethics or Behavior Code—represents the adoption of an ethics or behavior code as a proxy for a commitment to ethical behavior of the firm and member of staff. 2. Adoption of Programmatic Documents for Corruption Prevention—the adoption of such documents or policies designed to prevent corruption practices in organizational activities to promote integrity in employees’ behavior. 3. Internal Job Rotation—the adoption of internal job rotation policies for employees and managers working in areas that are exposed to the risk of corruption. 4. Whistleblowing Policies—the adoption of whistleblowing policies and reporting such thereof. 5. Training and Learning Program—the adoption of training and learning programs on corruption and integrity” (Cecchetti et al., 2018).
7. “Direct political connections occurs in a situation where one of the senior management personnel of the company for instance, the chairman, chief executive officer, vice-president, executive director or secretary of the board or a major shareholder with at least 10% shareholding in the company is the country’s current or former president, prime minister, government minister, senior government employee or a member of the parliament. Also, an indirect political connection could be identified in three ways”. Firstly, a firm is deemed as having an indirect political connection “if a relative with the same last name as a head of state or minister is a top officer or a large shareholder”. Secondly, a company is “... indirectly connected when a top executive or a large shareholder has been described by The Economist, Forbes, or Fortune as having a friendship with a head of state, government minister, or member of parliament”. Thirdly, “a firm is politically connected if prior studies or even the press had documented such connection” (Ang et al., 2013; Faccio et al., 2006; Faccio, 2010; Faccio, 2007).
8. “In the past years, two international standards, the IAASB’s International Standards on Assurance engagements (ISAE 3000) and the AA1000 Assurance Standards (AA1000AS) have been used dominantly in conducting external verification services on sustainability reports. According to KPMG (2005) there were eight assurance standards identified, two standards being applied globally, two standards applied in Australia and one each in Germany, Japan, Sweden and the Netherlands. Three commonly used standards are AA1000 Assurance Standard (AA1000AS), Global Reporting Initiative Guidelines (GRI) and ISAE 3000” (Sawon et al., 2010).
9. “Family firms have special characteristics that distinguish themselves from non-family firms. In family firms, ownership is concentrated, and managerial ownership is high. The management mainly consists of family members and the board of directors is less open to the outsider. The family spirit is strong in family firms whereby, it serves as a monitoring and controlling mechanism (Fama & Jensen, 1983). Family traits influence the governance of family firms. The involvement of family members in the management allows them to have extensive knowledge in the operations of the firms. Family members can make flexible, timely, and efficient decisions. The presence of family members in the management benefits family firms in terms of a lower cost of debt, and therefore, family firms are more likely to maximize shareholders’ values. Finally, the agency cost is expected to be less severe for family firms compared to non-family firms” (Abdul-Manaf et al., 2013, p. 2).
References

Aajaz, N., & Ibrahim, M. (2012). CSR inflections: An overview of CSR global strategies adopted by companies in Malaysia and other Asian Countries. The Journal of Southeast Asian Research, 12, 1–16. https://doi.org/10.11711/2012.266824

Abd-Mutalib, H., Jamil, C. Z. M., & Wan-Hussin, W. N. (2014). The availability, extent, and quality of sustainability reporting by Malaysian listed firms: Subsequent to mandatory disclosure. Asian Journal of Finance & Accounting, 6(2), 239–257. https://doi.org/10.5296/ajfa.v6i2.6108

Abdul Wahab, E. A., Ariff, A. M., Madah Marzuki, M., & Mohd Sanusi, Z. (2017). Political connections, corporate governance, and tax aggressiveness in Malaysia. Asian Review of Accounting, 25(3), 424–451. https://doi.org/10.1108/ARA-05-2016-0053

Abdullah, S. N., & Ismail, K. N. I. K. (2013). Gender, ethnic and age diversity of the boards of large Malaysian firms and performance. Jurnal Pengurusan, 38, 27–40. https://doi.org/10.17576/jpengurusan-2013-38-03

Abdulmalik, S., & Che-Ahmad, A. (2019). Regulatory changes and reporting quality: The moderating role of firm characteristics. Problems and Perspectives in Management, 17(2), 32–50. https://doi.org/10.21511/ppm.17(2).2019.03

Abdul-Monaf, K. B., Amran, N. A., & Che Ahmad, A. (2013). Financial reporting quality of Malaysian family firms. South East Asia Journal of Contemporary Business, Economics and Law, 3(1), 1–5. Retrieved from http://seajbel.com/wp-content/uploads/2014/01/KB3115-MUHARRATUL-ROLES-OF-PERSONALITY-TOWARDS-ENTREPRENEURSHIP.pdf

Adams, C. A., & Evans, R. (2004). Accountability, completeness, credibility and the audit expectations gap. The Journal of Corporate Citizenship, 14, 97–115.

Adams, J. S. (1963). Towards an understanding of inequity. The Journal of Abnormal and Social Psychology, 67(5), 422–436. https://doi.org/10.1037/ h0060968

Adams, R. (2015). Myths and facts about female directors. International Finance Corporation.

Adams, R. B., & Ferreira, D. (2009). Women in the boardroom and their impact on governance and performance. Journal of Financial Economics, 94(2), 291–309. https://doi.org/10.1016/j.jfe.2008.10.007

Aguilera, R. V., Filatotchev, I., Gospel, H., & Jackson, G. (2008). An organizational approach to comparative corporate governance: Costs, contingencies, and complementarities. Organization Science, 19(3), 475–492. https://doi.org/10.1287/orsc.1070.0322

Agyei-Mensah, B. K. (2017). The relationship between corporate governance, corruption, and forward-looking information disclosure: A comparative study. Corporate Governance: The International Journal of Business in Society, 17(2), 284–304. https://doi.org/10.1108/CIG-11-2015-0150

Ahmad, A. (2014). Estimating the value of political connection in Malaysia’s top richest tycoon companies. Proceedings of the Australian Academy of Business and Social Sciences Conference 2014. The Journal of Developing Areas. ISBN 978-0-9925622-0-5

Ahmad, N. (2017). Board independence and Corporate Social Responsibility (CSR) Reporting in Malaysia. Australasian Accounting, Business and Finance Journal, 11(2), 61–85. https://doi.org/10.14453/aabfj.v11i2.3

Ahmed Haji, A. (2013). Corporate social responsibility disclosures over time: Evidence from Malaysia.

Managerial Auditing Journal, 28(7), 647–676. https://doi.org/10.1108/MAJ-07-2012-0729

Al-Shaer, H., & Zaman, M. (2016). Board gender diversity and sustainability reporting quality. Journal of Contemporary Accounting and Economics, 12(3), 210–222. https://doi.org/10.1016/j.jcae.2016.09.001

Alman, Z., & Ismail, S. (2017). The determinants of corporate sustainability reporting: Malaysian evidence. [Paper presentation]. International Conference on Management and Mumatulah 2017, 2017; EcMM, Putrajaya Malaysia, 1–15.

Amran, A., Lee, S. P., & Devi, S. S. (2014). The influence of governance structure and strategic corporate social responsibility toward sustainability reporting quality. Business Strategy and the Environment, 23(4), 217–235. https://doi.org/10.1002/bse.1767

Amran, N. A., & Che Ahmad, A. (2014). Effects of ownership structure on Malaysian companies performance. Asian Journal of Accounting and Governance, 4(1), 51–60. https://doi.org/10.17576/ajag-2013-4-5776

Amran, N. A., Ismail, K., Izah, K. N., Aripin, N., Hassan, N., Monaf, A., ... Abdullah, S. N. (2014). Women directors involvement in Malaysia. Australian Journal of Basic and Applied Sciences, 8(5), 226–231.

Anas, A., Abdul Rashid, H. M., & Annuar, H. A. (2015). The effect of award on CSR disclosures in annual reports of Malaysian PLCs. Social Responsibility Journal, 11(4), 831–852. https://doi.org/10.1108/SRJ-02-2013-0014

Anderson, R. C., & Reeb, D. M. (2003). Founding-family ownership and business performance: Evidence for the S&P 500. The Journal of Finance, 58(3), 1301–1328. https://doi.org/10.1111/j.1540-6261.2003.00567

Ang, J. S., Ding, D. K., & Thong, T. Y. (2013). Political connection and firm value. Asian Development Review, 30(2), 131–166. https://doi.org/10.11162/ ADEV_v_00018

Ansong, A. (2017). Corporate social responsibility and access to finance among Ghanaian SMEs: The role of stakeholder engagement. Cogent Business and Management, 4(1), 1385165. https://doi.org/10.1080/ 23311975.2017.1385165

Aziz, N. A. S., & Rasmiza, H. B. (2017). A Review of the indicators disclosed in sustainability reporting of public listed companies in Malaysia. Journal of Human Capital Development, 10(2), 1–14. http://jour nal.uten.edu.my/index.php/jhcd/article/view/3199

Bakar, A. B. S. A., Ghazali, N. A. B. M., & Ahmad, M. B. (2019). Sustainability reporting and board diversity in Malaysia. International Journal of Academic Research in Business and Social Sciences, 9(3). https://doi.org/10.6007/ijorbsss/v9-i2/5663

Bank, W. (2014). Corporate governance of state-owned enterprises: A toolkit (WA:Group). World Bank.

Bansal, S., Lopez-Perez, M., & Rodriguez-Ariza, L. (2018). Board independence and corporate social responsibility disclosure: The mediating role of the presence of family ownership. Administrative Sciences, 8(3), 33. https://doi.org/10.3390/admsci8030033

Baron, R. M., & Kenny, D. A. (1986). The moderator–mediator variable distinction in social psychological research: Conceptual, strategic, and statistical considerations. Journal of Personality and Social Psychology, 51(6), 1173–1182. https://doi.org/10.1037/0022-3514.51.6.1173
Betianu, L. (2010). Indicators of the global reporting initiative regarding sustainable development. Annales Universitatis Apulensis: Series Deconomica, 12(1), 15–24. Retrieved from https://www.mendeley.com/catalogue/indicators-global-reporting-initiative-regarding-sustainable-development/

Boiral, O. (2013). Sustainability reports as simulacra? A counter-account of A and A+ GRI reports. Accounting, Auditing & Accountability Journal, 26(7), 1036–1071. https://doi.org/10.1108/AAA-04-2012-00998

Boiral, O., & Gendron, Y. (2011). Sustainable development and certification practices: Lessons learned and prospects. Business Strategy and the Environment, 20(5), 331–347. https://doi.org/10.1002/bse.701

Boiral, O., & Henri, J. F. (2017). Is sustainability performance comparable? A study of GRI reports of mining organizations. Business and Society, 56(2), 283–317. https://doi.org/10.1177/00076503156134

Boiral, O., & Heras-Saizarbitoria, I. (2020). Sustainability reporting assurance: Creating stakeholder accountability through hyperreality? Journal of Cleaner Production, 243, 118596. https://doi.org/10.1016/j.jclepro.2019.118596

Braam, G., & Peeters, R. (2018). Corporate sustainability performance and assurance on sustainability reports: Diffusion of accounting practices in the realm of sustainable development. Corporate Social Responsibility and Environmental Management, 25(2), 164–181. https://doi.org/10.1002/csr.1447

Braam, G. J. M., Uit de Weerd, L., Hauck, M., & Huijbregts, M. A. J. (2016). Determinants of corporate environmental reporting: The importance of environmental performance and assurance. Journal of Cleaner Production, 129, 724–734. https://doi.org/10.1016/j.jclepro.2016.03.039

Brammer, S., & Pavlin, S. (2000). Voluntary environmental disclosures by large UK Companies. Journal of Business Finance & Accounting, 33(7–8), 1168–1188. https://doi.org/10.1111/j.1360-0528.2000.00598.x

Brenner, S. N., & Molander, E. A. (1977). Is ethics of business changing? Harvard Business Review, 55(1), 57–71.

Bursa Malaysia. (2006). Bursa Malaysia’s CSR frameworks for Malaysian PLCs. Kuala Lumpur: Bursa Malaysia Securities Berhad. Retrieved from http://www.bursa.com.my/website/bm/about_us/the_organisation/csr/downloads/csr_framework_slides.pdf

Bursa Malaysia. (2017). Corporate governance moving from aspiration to actualisation. Bursa Malaysia Securities Berhad. Retrieved from https://www.mendeley.com/catalogue/corporate-governance-moving-aspiration-actualisation/

Bursa Malaysia. (2018). Sustainability reporting guide. Bursa Malaysia Securities Berhad

Bursa Malaysia Securities Berhad. (2017). Practice note 9: Risk management and internal control, corporate governance and sustainability statement [Updated as at 31 December 2017]. Bursa Malaysia Securities Berhad.

Carter, D. A., D’Souza, F. P., Simkins, B. J., & Simpson, W. G. (2011). The diversity of corporate board committees and firm financial performance. SSRN Electronic Journal, 20, 1–30. https://doi.org/10.2139/ssrn.972763

Cecchetti, I., Allegretti, V., & Monteduro, F. (2018). The role of boards of directors in transparency and integrity in state-owned enterprises. In Hybridxity in the Governance and Delivery of Public Services, 7, 53–87. https://doi.org/10.1108/52051-663020180000007001

Cennamo, C., Berrone, P., Cruz, C., & Gomez-Mejia, L. R. (2012). Socioemotional wealth and proactive stakeholder engagement: Why family-controlled firms care more about their stakeholders. Entrepreneurship Theory and Practice, 36(6), 1153–1173. https://doi.org/10.1111/j.1540-6520.2012.00543.x

Chandar, N., Chang, H., & Zheng, X. (2012). Does overlapping membership on audit and compensation committees improve a firm’s financial reporting quality? Review of Accounting and Finance, 11(2), 141–165. https://doi.org/10.1108/14757711211228192

Chaney, P. K., Faccio, M., & Parsley, D. (2011). The quality of accounting information in politically connected firms. Journal of Accounting and Economics, 51(1–2), 58–76. https://doi.org/10.1016/j.jacceco.2010.07.003

Che-Ahmad, A. B., Olatinwo Abdulmalik, S., & Mohamad Yusof, N. (2020). Corporate sustainability reporting assurance: Creating stakeholder accountability through hyperreality? Journal of Cleaner Production, 243, 118596. https://doi.org/10.1016/j.jclepro.2019.118596

Cheng, M. M., Green, W. J., & Ko, J. C. W. (2014). The impact of strategic relevance and assurance of sustainability indicators on investors’ decisions: Auditing: A Journal of Practice & Theory, 34(1), 131–162. https://doi.org/10.2308/japit-50738

Cho, C. H., Guidry, R. P., Hagerman, A. M., & Patten, D. M. (2012). Do actions speak louder than words? An empirical investigation of corporate environmental reputation. Accounting, Organizations and Society, 37(1), 14–25. https://doi.org/10.1016/j.aos.2011.12.001

Cho, C. H., Laine, M., Roberts, R. W., & Rodrigue, M. (2015). Organized hypocrisy, organizational façades, and sustainability reporting. Accounting, Organizations and Society, 40, 78–94. https://doi.org/10.1016/j.aos.2014.12.003

Cho, C. H., Laine, M., Roberts, R. W., & Rodrigue, M. (2018). The frontstage and backstage of corporate sustainability reporting: Evidence from the arctic national wildlife refuge bill. Journal of Business Ethics, 152(3), 865–886. https://doi.org/10.1007/s10551-016-3375-4

Chong, K. (2019). Pasir Gudang chemical pollution – What harm can these chemicals do to you? SoyaCincau. com. In SoyaCincau. Retrieved from https://www.soyacincau.com/2019/03/16/pasir-gudang-chemical-pollution/

Chua, J. H., Chrisman, J. J., Kellermanns, F., & Wu, Z. (2011). Family involvement and new venture debt financing. Journal of Business Venturing, 26(4), 472–488. https://doi.org/10.1016/j.jbusvent.2009.11.002

Chua, J. H., Chrisman, J. J., & Sharma, P. (1999). Defining the family business by behavior. Entrepreneurship Theory and Practice, 23(4), 19–39. https://doi.org/10.1177/1042258399023002

Coulson-Thomas, C. (2013). Integrity and the boardroom. Strategic Direction, 29(6), 32–34. https://doi.org/10.1108/SD-05-2013-0026

Cui, V., Ding, S., Liu, M., & Wu, Z. (2018). Revisiting the effect of family involvement on corporate social responsibility: A behavioral agency perspective. Journal of Business Ethics, 152(1), 291–309. https://doi.org/10.1007/s10551-016-3309-1

Deegan, C. (2000). Financial accounting theory. McGraw Hill.

Deegan, C. (2013). Financial accounting theory (4th ed.; N.S . North Ryde, Ed.). McGraw-Hill Education.

Dhaliwal, D. S., Li, O. Z., Tsang, A., & Yang, Y. G. (2011). Voluntary nonfinancial disclosure and the cost of equity capital: The initiation of corporate social
responsibility reporting. The Accounting Review, 86 (1), 59–100. https://doi.org/10.2308/accr.00000005
El Ghoul, S., Guedhami, O., Wang, H., & Kwok, C. C. Y. (2016). Family control and corporate social responsibility. Journal of Banking and Finance, 73, 131–146. https://doi.org/10.1016/j.jbankfin.2016.08.008
Faccio, M. (2007). The characteristics of politically connected firms. The Characteristics of Politically Connected Firms, 51, 1–34. Retrieved from http://lib.purdue.edu/cebewph/AFaccio
Faccio, M. (2010). Differences between politically-connected firms and non-connected firms: A cross country analysis. Financial Management, 39 (3), 905–927. https://doi.org/10.1111/j.1755-053X.2010.01099.x
Faccio, M., Masulis, R., & McConnell, J. (2006). Political connections and corporate bailouts. The Journal of Finance, 61(6), 2597–2635. https://doi.org/10.1111/j.1540-6261.2006.01000.x
Fama, E. F., & Jensen, M. C. (1983). Separation of ownership and control. The Journal of Law & Economics, 26 (2), 301–325. https://doi.org/10.1086/670377
Fan, J. P. H., & Wong, T. J. (2006). Politically-connected CEOs, corporate governance and post-IPO performance of China’s partially privatized firms. SSRN Electronic Journal, 84(2), 330–357. https://doi.org/10.2139/ssrn.642441
Fernández Méndez, C., Arrondo García, R., & Pathan, S. (2017). Monitoring by busy and overlap directors: An examination of executive remuneration and financial reporting quality. Spanish Journal of Finance and Accounting/Revista Espanola De Financiacion Y Contabilidad, 46(1), 28–62. https://doi.org/10.1080/02102412.2016.1250345
Fernández-Feijoo, B., Romero, S., & Ruiz, S. (2018). Financial auditor and sustainability reporting: Does it matter? Corporate Social Responsibility and Environmental Management, 25(3), 209–224. https://doi.org/10.1002/csr.1449
Freedman, M., & Patten, D. M. (2004). Evidence on the pernicious effect of financial report environmental disclosure. Accounting Forum, 28(1), 27–41. https://doi.org/10.1016/j.accurf.2004.04.006
Freeman, R. E. (1984). Strategic management: A stakeholder approach. M.A. Pitman.
Freeman, R. E., Wicks, A. C., & Parmar, B. (2004). Stakeholder theory and the corporate objective revisited”. Organization Science, 15(3), 364–369. https://doi.org/10.1287/orsc.104.0066
Friedman, M. (2007). The social responsibility of business is to increase its profits. Corporate ethics and corporate governance (pp. 173–178). Springer, Berlin, Heidelberg. https://doi.org/10.1007/978-3-540-79818-6_14
Fuhrmann, S., Ott, C., Looks, E., & Guenther, T. W. (2017). The contents of assurance statements for sustainability reports and information asymmetry. Accounting and Business Research, 47(4), 369–400. https://doi.org/10.1080/00014786.2016.1263550
Fung, S. Y. K., Gul, F. A., & Radhakrishnan, S. (2015). Corporate political connections and the 2008 Malaysian election. Accounting, Organizations and Society, 43, 67–86. https://doi.org/10.1016/j.aoas.2015.04.001
Gojevski, J.-F., & Li, L. (2015). Can internet-based disclosure reduce information asymmetry? Advances in Accounting, 31(1), 115–124. https://doi.org/10.1016/j.acodir.2015.03.013
García-tores, N., Fernandez-feijoo, B., & De, M. (2016). Board of director’s effectiveness and the stakeholder perspective of corporate governance: Do effective boards promote the interests of shareholders and stakeholders? BRQ Business Research Quarterly, 19 (4), 246–261. https://doi.org/10.1016/j.brq.2016.06.001
Gavana, G., Gottardo, P., & Moisello, A. M. (2017). Sustainability reporting in family firms: A panel data analysis. Sustainability (Switzerland), 9(1), 1–18. https://doi.org/10.3390/su9010038
Gherghina, S. C., & Simionescu, L. N. (2015). Does entrepreneurship and corporate social responsibility act as a catalyst towards firm performance and brand value? International Journal of Economics and Finance, 7(4), 23–34. https://doi.org/10.5559/gfe.v7nsp23
Global Reporting Initiative (GRI). (2015). GRI’s History. GRI News letter. https://www.globalreporting.org/information/about-gri/grihistory/Pages/GRI%27sHistory.aspx
Gnanaweera, K. A. K., Kunori, N., & Ntim, C. G. (2018). Corporate sustainability reporting: Linkage of corporate disclosure information and performance indicators. Cogent Business and Management, 5(1), 1. https://doi.org/10.1080/23311975.2018.1423872
Goffman, E. (1959). The presentation of self in everyday life. Doubleday.
Gomez-Mejia, L. R., Cruz, C., Berreone, P., & De Castro, J. (2011). The bind that ties: Socioemotional wealth preservation in family firms. The Academy of Management Annals, 5(1), 653–707. https://doi.org/10.1080/19416520.2011.593320
Gray, R. (2010). Is accounting for sustainability actually accounting for sustainability… and how would we know? An exploration of narratives of organisations and the planet. Accounting, Organizations and Society, 35(1), 47–62. https://doi.org/10.1016/j.aos.2009.04.006
Gray, R., & Milner, M. (2002). Sustainability reporting: Who’s kidding whom? Chartered Accountants Journal of New Zealand, 81(6), 66–70. http://researchgate.net/publication/333637199
GRI. (2016). GRI sustainability reporting 2016 sustainability performance. CRODA GRI Report Archive. https://www.croda.com/en-gb/sustainability/gri-report/gri-report-archive
Guenther, E., Hoppe, H., & Poser, C. (2006). Environmental corporate social responsibility of firms in the mining and oil and gas industries: Current status quo of reporting following GRI guidelines. Greener Management International, 2006(53), 6–25. https://doi.org/0.9774/gleaf.3062.2006.sp.00003
Gul, F. A., Hutchinson, M., & Lai, K. M. (2013). Gender-diversity boards and properties of analyst earnings forecasts. Accounting Horizons, 27(3), 511–538. https://doi.org/10.2308/acch-50486
Gul, F. A., Sinirdhi, B., & Ng, A. C. (2011). Does board gender diversity improve the informativeness of stock prices? Journal of Accounting and Economics, 53(3), 314–338. https://doi.org/10.1016/j.jacceco.2011.01.005
Guthrie, J., & Abeysekera, I. (2006). Content analysis of social, environmental reporting: What is new? Journal of Human Resource Costing & Accounting, 4(2), 114–126. https://doi.org/10.1108/14013380610703120
Habib, A., & Bhuiyan, M. B. U. (2014). Overlapping membership on audit and compensation committees, audit committee equity holdings, and financial reporting quality. SSRN Electronic Journal, 26(1), 76–90. https://doi.org/10.2139/ssrn.2445936
Habib, A., & Bhuiyan, M. B. U. (2016). Overlapping membership on audit and compensation committees and financial reporting quality. Australian Accounting Review, 26(1), 76–90. https://doi.org/10.1111/aur.12086

Hahn, R., & Kühen, M. (2013). Determinants of sustainability reporting: A review of results, trends, theory, and opportunities in an expanding field of research. Journal of Cleaner Production, 59, 5–21. https://doi.org/10.1016/j.jclepro.2013.07.005

Handjani, L., Subroto, B., & Saraswatii, E. (2016). Does board diversity matter on corporate social disclosure? An Indonesian evidence. In Journal of Economics and Sustainable Development, 5(9), 8–16.

Harjoto, M., Laksmana, I., & Lee, R. (2015). Board diversity and corporate social responsibility. Journal of Business Ethics, 132(6), 641–660. https://doi.org/10.1007/s10551-014-2343-0

Hashmi, M. A., Brahmana, R. K., & Lou, E. (2018). Political connections, family firms, and earnings quality. Management Research Review, 41(4), 414–432. https://doi.org/10.1108/MRR-05-2017-0136

Herda, D. N., Taylor, M. E., & Winterbotham, G. (2012). The effect of board independence on the sustainability reporting practices of large U.S. Firms. Issues In Social And Environmental Accounting, 6(2), 178. https://doi.org/10.22164/isea.v6i2.69

Hernandez, M. (2012). Toward an understanding of the psychology of stewardship. Academy of Management Review, 37(2), 172–193. https://doi.org/10.5465/amr.2010.0363

Hernández-Perlines, F., & Ibarra Cisneros, M. A. (2017). Analysis of the moderating effect of entrepreneurial orientation on the influence of social responsibility on the performance of Mexican family companies. Cogent Business and Management, 4(1), 1408209. https://doi.org/10.1080/23311975.2017.1408209

Hillman, A. J., Zardkoohi, A., & Bierman, L. (1999). Corporate political strategies and firm performance: Indications of firm-specific benefits from personal service in the US government. Strategic Management Journal, 20(1), 67–81. https://doi.org/10.1002/(SICI)1097-0266(19990120)21:6<67::AID-SMJ22>3.0.CO;2-T

Hsueh, -J. W.-J. (2018). Governance structure and the credibility gap: Experimental evidence on family businesses’ sustainability reporting. Journal of Business Ethics, 153(2), 547–568. https://doi.org/10.1007/s10551-016-3409-y

Hu, M., & Loh, L. (2018). Board governance and sustainability disclosure: A cross-sectional study of Singapore-listed companies. Sustainability, 10(7), 2578. https://doi.org/10.3390/su10072578

Huang, Y. B., & Watson, L. (2015). Corporate social responsibility research in accounting. Journal of Accounting Literature, 34, 1–16. https://doi.org/10.1016/j.jallit.2015.03.001

Huberts, L. (2014). The integrity of governance: What it is, what we know, what is done and where to go. Palgrave Macmillan UK.

Hummel, K., & Schlick, C. (2016). The relationship between sustainability performance and sustainability disclosure – Reconciling voluntary disclosure theory and legitimacy theory. Journal of Accounting and Public Policy, 35(5), 455–476. https://doi.org/10.1016/j.jaccpubpol.2016.06.001

Hung, H. (2011). Directors’ roles in corporate social responsibility: A stakeholder perspective. Journal of Business Ethics, 103(3), 385–402. https://doi.org/10.1007/s10551-011-0870-5

Hussain, N., Rigoni, U., & Orij, R. P. (2018). Corporate governance and sustainability performance: Analysis of triple bottom line performance. Journal of Business Ethics, 154(2), 411–432. https://doi.org/10.1007/s10551-016-3099-5

IAASB. (2011). ISAE 3000 (revised), assurance engagements other than audits or reviews of historical financial information. International Federation of Accountants.

Ibrahim, A. H., & Honefah, M. M. (2016). Board diversity and corporate social responsibility in Jordan. Journal of Financial Reporting and Accounting, 14(2), 279–298. https://doi.org/10.1108/jfro-06-2015-0065

Ismail, A. M. (2010). Director’s integrity: An assessment of corporate integrity. SSRN Electronic Journal. November (2010), 1–28. https://doi.org/10.2139/ssrn.1717487

Jain, T., & Jamali, D. (2016). Looking inside the block box: The effect of corporate governance on corporate social responsibility. Corporate Governance: An International Review, 24(3), 253–273. https://doi.org/10.1111/corg.12154

Jensen, M. C., & Meckling, W. (1976). Theory of the firm: Managerial behavior, agency costs, and ownership structure. Journal of Financial Economics, 3(4), 305–360. https://doi.org/10.1016/0304-405X(76)90026-X

Jo, H., & Harjoto, M. A. (2011). Corporate governance and firm value: The impact of corporate social responsibility. Journal of Business Ethics, 402(408), 351–383. https://doi.org/10.1007/s10551-011-0869-y

Joecs, J., Pull, K., & Vetter, K. (2013). Gender diversity in the boardroom and firm performance: What exactly constitutes a “critical mass”? Journal of Business Ethics, 118(1), 61–72. https://doi.org/10.1007/s10551-013-1637-y

Junior, R. M., Best, P. J., & Cotter, J. (2014). Sustainability reporting and assurance: A historical analysis on a world-wide phenomenon. Journal of Business Ethics, 120(1), 1–11. https://doi.org/10.1007/s10551-013-2235-6

Kaleikar, R. (2017). Effect of audit and compensation committee membership overlap on audit fees. Asian Review of Accounting, 25(1), 34–57. https://doi.org/10.1108/ARA-12-2014-0128

Kanter, R. M. (1977). Men and women of the corporation (Resner, Ed.). Basic Books.

Kanodia, K., Balbir, A., & Suh, S. (2016). Board structure and audit committee monitoring: Effects of audit committee monitoring incentives and board entrenchment on audit fees. Journal of Accounting, Auditing and Finance, 31(2), 249–276. https://doi.org/10.1177/0148558X15583412

Katmon, N., Mohamad, Z. Z., Norwani, N. M. S., & Foroogue, O. A. (2019). Comprehensive board diversity and quality of corporate social responsibility disclosure: Evidence from an emerging market. Journal of Business Ethics, 157(2), 447–481. https://doi.org/10.1007/s10551-017-3672-6

Konrad, A. M., Kramer, V., & Erkut, S. (2008). Critical mass: The impact of three or more women on corporate boards. Organizational Dynamics, 37(2), 145–164. https://doi.org/10.1016/j.orgdyn.2008.02.005

KPMG. (2015). The KPMG survey of corporate responsibility reporting 2015 8th edition. KPMG. http://www.kpmg.com/au/en/issuesandinsights/articlespublications/pages/corporate-responsibility-reporting-survey-2013.aspx

Krishnan, G. V., & Parsons, L. M. (2008). Getting to the bottom line: An exploration of gender and earnings
quality. Journal of Business Ethics, 78(1–2), 65–76. https://doi.org/10.1007/s10551-006-9314-z
Krueger, A. O. (1974). The political economy of the rent-seeking society. The American Economic Review, 64(3), 291–303.
Lamb, N. H., & Butler, F. C. (2018). The influence of family firms and institutional owners on corporate social responsibility performance. Business and Society, 57(7), 1374–1406. https://doi.org/10.1177/000765031668443
Larrion-Jorge, M., & Martinez, D. M. M. (2013). What should a comprehensive sustainability report include? Universal Business Review, 39, 66–103. Retrieved from https://doaj.org/article/b1cc3b02d10646e78b701b1b671f3f12
Lau, C., Lu, Y., & Liang, Q. (2016). Corporate social responsibility in China: A corporate governance approach. Journal of Business Ethics, 136(1), 73–87. https://doi.org/10.1007/s10551-014-2513-0
Laux, C., & Laux, V. (2009). Board committees, CEO compensation, and earnings management. The Accounting Review, 84(3), 869–891. https://doi.org/10.2308/accr.2009.84.3.869
Lawrence, L., & Thomas, T. (2018). Sustainability reporting in ASEAN countries. National University of Singapore. https://www.asean-osr-network.org/c/images/Resources/Reports/2018_SustainabilityReporting_inASEAN_Countries.pdf
Leipziger, D. (2015). The OECD principles of corporate governance. The corporate responsibility code book: Third edition (pp. 347–416). Greenleaf Publishing Limited: Routledge. https://doi.org/10.9774/GEleaf.9781783506702_21
Liao, C., & Hsu, A. W. H. (2013). Common membership and effective corporate governance: Evidence from audit and compensation committees. Corporate Governance: An International Review, 21(1), 79–92. https://doi.org/10.1111/corg.12000
Lock, I., & Seele, P. (2016). The credibility of CSR (corporate social responsibility) reports in Europe. Evidence from a quantitative content analysis in 11 countries. Journal of Cleaner Production, 122, 186–200. https://doi.org/10.1016/j.jclepro.2016.02.060
Loh, L., Nguyen, T. P. T., Sim, I., Thomas, T., & Wong, Y. (2016). Sustainability reporting in Singapore: The state of practice among Singapore exchange (sgx) mainboard listed companies 2015. The ASEAN CSR Network, Centre for Governance, Institutions and Organisations (CGIO), NUS Business School, National University of Singapore.
Loureiro, J., Palma, M., & Branco, M. C. (2019). Web based sustainability reporting in family versus non-family firms: The role of the richest European Families. SSRN Electronic Journal. SSRN 3385351, 1-35. https://doi.org/10.2139/ssrn.3385351
Loza Adau, C. R. (2020). Sustainability reporting quality of peruvian listed companies and the impact of regulatory requirements of sustainability disclosures. Sustainability, 12(13), 1135. https://doi.org/10.3390/su12151135
Luo, X., & Tang, Q. (2014). Does voluntary carbon disclosure reflect underlying carbon performance? Journal of Contemporary Accounting & Economics, 10(3), 191–205. https://doi.org/10.1016/j.jcae.2014.08.003
Madi, H. K., Ishak, Z., & Manaf, N. A. A. (2015). The impact of audit committee characteristics on corporate voluntary disclosure. Procedia - Social and Behavioral Sciences, 164(August), 486–492. https://doi.org/10.1016/j.sbspro.2014.11.106
Mahoney, L. S., Thorne, L., Cecil, L., & LaGore, W. (2013). A research note on standalone corporate social responsibility reports: Signaling or greenwashing? Critical Perspectives on Accounting, 24(4–5), 350–359. https://doi.org/10.1016/j.cpa.2012.09.008
Malenko, N. (2013). Communication and decision-making in corporate boards. The Review of Financial Studies, 27(5), 1486–1532. https://doi.org/10.1093/rfs/hht075
Manetti, G., & Becatti, L. (2009). Assurance services for sustainability reports: Standards and empirical evidence. Journal of Business Ethics, 87(1), 289–298. https://doi.org/10.1007/s10551-008-9809-x
Manetti, G., & Toccafondi, S. (2012). The role of stakeholders in sustainability reporting assurance. Journal of Business Ethics, 107(3), 363–377. https://doi.org/10.1007/s10551-011-1044-1
Manning, B., Braam, G., & Reinsbach, D. (2019). Corporate governance and sustainable business conduct-effects of board monitoring effectiveness and stakeholder engagement on corporate sustainable performance and disclosure choices. Corporate Social Responsibility and Environmental Management, 26(2), 351–366. https://doi.org/10.1002/csr.1687
Marques, P., Presas, P., & Simon, A. (2014). The heterogeneity of family firms in CSR engagement: The role of values. Family Business Review, 27(3), 201–227. https://doi.org/10.1017/S0894486514393004
MCCG. (2017). Malaysian Code on Corporate Governance (MCCG) 2017. Securities Commission Malaysia. https://www.sc.com.my/wp-content/uploads/eng/html/mccg2017.pdf
Mensah, H. K., Agyapong, A., & Nuertey, D. (2017). The effect of corporate social responsibility on organizational commitment of employees of rural and community banks in Ghana. Cobin Business and Management, 4(1), 1–19. https://doi.org/10.1080/23311975.2017.1280895
Miller, D., Le Breton-Miller, J., Lester, R. H., & Cannella, A. A. (2007). Are family firms really superior performers? Journal of Corporate Finance, 13(5), 829–858. https://doi.org/10.1016/j.jcorfin.2007.03.004
Milne, M. J., & Gray, R. (2013). Whither ecology? The triple bottom line, the global reporting initiative, and corporate sustainability reporting. Journal of Business Ethics, 118(1), 13–29. https://doi.org/10.1007/s10551-012-1543-8
Moroney, R., Windsor, C., & Aw, Y. T. (2012). Evidence of assurance enhancing the quality of voluntary environmental disclosures: An empirical analysis. Accounting & Finance, 52(3), 903–939. https://doi.org/10.1111/j.1467-629X.2011.00413.x
Muttakin, M. B., Mihret, D. G., & Khan, A. (2018). Corporate political connection and corporate social responsibility disclosures. Accounting, Auditing & Accountability Journal, 31(2), 725–744. https://doi.org/10.1108/AAA-06-2015-2078
O’Dwyer, B. (2002). Managerial perceptions of corporate social disclosure. Accounting, Auditing & Accountability Journal, 15(3), 406–436. https://doi.org/10.1108/09513570210435898
O’Dwyer, B., & Owen, D. (2007). Seeking stakeholder-centric sustainability assurance. The Journal of Corporate Citizenship, 2007(25), 77–94. https://doi.org/10.17747/GLAEF.4700.2007.sp.00009
Odrizola, M. D., & Baraibar-Diez, E. (2017). Is corporate reputation associated with quality of CSR reporting? Evidence from Spain. Corporate Social Responsibility and Environmental Management, 24(2), 121–132. https://doi.org/10.1002/csr.1399
OECD. (2017). Corporate governance and business integrity in Kazakhstan. OECD Publishing. https://doi.org/10.1787/9789264272880-13-en
Ofoegbu, G. N., Odoemelam, N., Okofo, R. G., & Ntim, C. G. (2018). Corporate board characteristics and environmental disclosure quantity: Evidence from South Africa (integrated reporting) and Nigeria (traditional reporting). Cogent Business & Management, 5(1). 1. https://doi.org/10.1080/23311975.2018.1551510

Ong, S. H. (2016). Measuring the quality and identifying influencing factors of sustainability reporting: Evidence from the resources industry in Australia. Edith Cowan University. Retrieved from http://iro.ecu.edu.au/theses/1922

Ong, T., & Djiadjikerta, H. G. (2017). Impact of corporate governance on sustainability reporting: Empirical study in the Australian resources industry. School of Business and Law, Edith Cowan University, Australia. https://papers.ssm.com/sol3/papers.cfm?abstract_id=2902495

Osazuwa, N. P., Che-Ahmad, A., & Che-Adam, N. (2015). A theoretical framework on the relationship between political connection, board characteristics and environmental disclosure in Nigeria (Paper presentation). International Conference on Accounting Studies (ICAS). Johor Bahru, Malaysia. August 2015, 17–20.

Osazuwa, N. P., Che-Ahmad, A., & Che-Adam, N. (2017). Political connection, board characteristics and environmental disclosure in Nigeria. Advanced Science Letters, 23(9), 9356–9361. https://doi.org/10.1166/asl.2017.10480

Peng, Y. (2018). CSR and the sustainability reporting landscape of Malaysia. Retrieved September 23, 2019, Legal Herald Advocates and Slicitors. https://www.lhag.com/wp-content/uploads/2018/12/6-CSR-and-the-Sustainability-Reporting-Landcape-of-Malaysia.pdf

Pfeffer, J., & Salancik, G. (1978). The External Control of Organizations: A resource dependence perspective. Harper and Row.

PriceWaterhouseCoopers (USA). (2014). Sustainability goes mainstream: Insights into investor views. Investor Survey, winter/spring series. Retrieved from http://www.pwc.com/us/en/pwc-investor-resource-institute/publications/assets/pwc-sustainability-goess-mainstream-investor-views.pdf

Purata, J. (2018). Is sustainability performance comparable? A study of GRI Reports of Mining Organizations. Social and Environmental Accountability Journal, 38 (3), 230–231. https://doi.org/10.1080/0969160X.2018.1515157

Rahman, I. M. A., Jamil, N. N., & Ismail, K. N. I. K. (2018). Does Political Connection Moderate Women Directors’ Effect on CSR Disclosure? Evidence from Malaysia. Asian Journal of Accounting and Governance, 11, 1–11. https://doi.org/10.17517/AJAG-2018-11-06

Rao, K., & Tilt, C. (2016). Board composition and corporate social responsibility: The role of diversity, gender, strategy and decision making. Journal of Business Ethics, 138(2), 327–347. https://doi.org/10.1007/s10551-015-2613-5

Reimsbach, D., & Hahn, R. (2015). The effects of negative incidents in sustainability reporting on investors’ judgments: An experimental study of third-party versus self-disclosure in the realm of sustainable development. Business Strategy and the Environment, 24(4), 217–235. https://doi.org/10.1002/bse.1816

Reimsbach, D., Hahn, R., & Gürtürk, A. (2018). Integrated reporting and assurance of sustainability information: An experimental study on professional investors’ information processing. European Accounting Review, 27(3), 559–581. https://doi.org/10.1080/09638180.2016.1273787

Sadou, A., Alom, F., & Laluddin, H. (2017). Corporate social responsibility disclosures in Malaysia: Evidence from large companies. Social Responsibility Journal, 13(1), 177–202. https://doi.org/10.1108/SRJ-06-2016-0104

Samuel, C., Ko, F. S. Y., & Srinidhi, B. (2019). The value of boardroom communication: Ethnic directors’ out-of-board community affiliations with other board members and the quality of accruals (Paper presentation). AFAANZ 2019 Conference, Brisbane, Australia. 1–62. https://openconf.s3.amazonaws.com/AFAANZ2019/papers/161.pdf?AWSAccessKeyId=s10551-015-2613-5&Signature=231.

Sassen, R., Stoffel, M., Behrmann, M., Ceschin, W., & Doan, H. (2018). Effects of committee overlap on the monitoring effectiveness of boards of directors: A meta-analysis. The Journal of Risk Finance, 19(4), 379–395. https://doi.org/10.1108/JRF-11-2017-0187

Sawani, Y., Mohamed Zain, M., & Dorus, F. (2010). Preliminary insights on sustainability reporting and assurance practices in Malaysia. Social Responsibility Journal, 6(4), 627–645. https://doi.org/10.1108/17471111011083842

Schaltegger, S., & Wagner, M. (2006). Integrative management of sustainability performance, measurement and reporting. International Journal of Accounting, Auditing and Performance Evaluation, 3 (1), 1. https://doi.org/10.1504/IJAAPPE.2006.010098

Seely, P., & Gatti, L. (2017). Greenwashing revisited: In search of a typology and accusation-based definition incorporating legitimacy strategies. Business Strategy and the Environment, 26(2), 239–252. https://doi.org/10.1002/bse.1912

Şener, İ., Varoğlu, A. & Karapalatgil, A. A. (2016). Sustainability reports disclosures: Who are the most salient stakeholders? Procedia – Social and Behavioral Sciences, 235(October), 84–92. https://doi.org/10.1016/j.sbspro.2016.11.028

Shahab, Y., & Ye, C. (2018). Corporate social responsibility disclosure and corporate governance: Empirical insights on neo-institutional framework from China. International Journal of Disclosure and Governance, 15(2), 87–103. https://doi.org/10.1080/1431018-0038-y

Simnett, R., Vanstraalen, A., & Chou, W. F. (2009). Assurance on sustainability reports: An international comparison. The Accounting Review, 84(3), 937–967. https://doi.org/10.2308/acr-2009-84.3.937

Soutar, G., McNell, M. M., & Molster, C. (1994). The impact of the work environment on ethical decision making: Some Australian evidence. Journal of Business Ethics, 13(5), 327–339. https://doi.org/10.1007/BF00871761

Srinidhi, B. (2019). Board diversity, director communication and reporting outcomes. RAE Doctoral Consortium. University of Texas Arlington, College of Business.

Srinidhi, B., Gul, F. A., & Tsui, J. (2011). Female directors and earnings quality. Contemporary Accounting Research, 28(5), 1610–1644. https://doi.org/10.1111/j.1911-3866.2011.0071.x

Suchman, M. C. (1995). Managing Legitimacy: Strategic and Institutional Approaches. Academy of Management Review, 20(3), 571–610. https://doi.org/10.5465/amr.1995.9508080331

Tanyi, P. N., & Smith, D. B. (2015). Busyness, Expertise, and financial reporting quality of audit committee chairs and financial experts. AUDITING: A Journal of Practice & Theory, 34(2), 59–89. https://doi.org/10.2308/ajpt-50929
The Star. (2019, December 2). Climate change a rising concern among Malaysians. Science of the Total Environment, 1, 8.

The Star Online. (2019). Numbers rise: 2,775 people affected by Pasir gudang chemical pollution - nation | the star online. The Star. Retrieved from https://www.thestar.com.my/news/nation/2019/03/14/numbers-rise-2775-people-affected-by-pasir-gudang-chemical-pollution/

Thompson, J. (1967). Organizations in action: Social science bases of administrative theory. McGraw-Hill Book Company.

Torchia, M., Calabro, A., & Huse, M. (2011). Women directors on corporate boards: From tokenism to critical mass. Journal of Business Ethics, 102(2), 299–317. https://doi.org/10.1007/s10551-011-0815-z

Unerman, J., Bebbington, J., & O'Dwyer, B. (2014). Sustainability accounting, and accountability. Routledge., 2014, 248–272. Retrieved from https://www.bokus.com/bok/9780415695589/sustainability-accounting-and-accountability/

Velte, P. (2017). Do overlapping audit and compensation committee memberships contribute to better financial reporting quality? Empirical evidence for the German two-tier system. International Journal of Economics and Accounting, 8(3/4), 196. https://doi.org/10.1504/ijjea.2017.092272

Wang, K., Zhang, H. M., Tsai, S. B., Wu, L. D., Xue, K. K., Fan, H. J., … Chen, Q. (2018). Does a board chairman’s political connection affect green investment? From a sustainable perspective. Sustainability (Switzerland), 10(3), 1–14. https://doi.org/10.3390/su10030358

Wong, L. E. (2017). Malaysia ranks seventh in number of family-owned businesses, says credit suisse. The Edge Markets. Malaysia. Retrieved from http://www.thedegmarkets.com/article/malaysia-ranks-seventh-number-family-owned-businesses-says-credit-suisse

World Commission on Environment and Development (WCED). (1987). Our common future. WCED, 383.

Yusoff, H., Darus, F., & Rahman, S. A. A. (2015). Do corporate governance mechanisms influence environmental reporting practices? Evidence from an emerging country. International Journal of Business Governance and Ethics, 10(1), 76. https://doi.org/10.1504/IJBGGE.2015.068686

Yusoff, H., & Lehman, G. (2009). Corporate environmental reporting through the lens of semiotics. Asian Review of Accounting, 17(3), 226–246. https://doi.org/10.1108/13217340910991338

Zahid, M., Ghazali, Z., & Ur Rahman, H. (2016). Corporate sustainability practices and reporting: A case of Malaysian real estate investment trusts and property listed companies. International Journal of Economics and Financial Issues, 6(2), 688–693. http://www.econjournals.com

Zainal, D. (2013). A longitudinal analysis of Corporate Social Responsibility Reporting (CSRR) in Malaysia public listed firms : Pre- and post- mandatory CSRR requirement. International Journal of Advanced Research in Management and Social Sciences, 2(1), 245–262. Retrieved from http://garph.co.uk/IJARMSS/Jan2013/su10082752.pdf

Zainal, D. (2017). Quality of corporate social responsibility reporting (csrr): The influence of ownership structure and company characteristics. Asian Journal of Accounting Perspectives, 10(1), 16–35.

Zellweger, T. M., Killermanns, F. W., Chrisman, J. J., & Chua, J. H. (2012). Family control and family firm valuation by family CEOs: The importance of intentions for transgenerational control. Organization Science, 23(3), 851–868. https://doi.org/10.1287/orsc.1110.0665

Zhuang, Y., Chang, X., & Lee, Y. (2018). Board composition and corporate social responsibility performance: Evidence from Chinese public firms. Sustainability (Switzerland), 10(8), 1–12. https://doi.org/10.3390/su10082752

Zurairi, A. (2018). Climate-related natural disasters cost Malaysia RM8b in the last 20 years. Malaymail. Retrieved from https://www.malaymail.com/news/malaysia/2018/10/12/
