



PRIMARY RESEARCH

Sustainability Key Performance Indicators in Islamic Banking Sectors of Malaysia and Pakistan: A Scale Based Evidence

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The marvelous development in the Islamic banking Abstract. necessitates sustainable practices in the emerging industry. This study intends to ascertain the most followed or usual sustainability key performance indicators (KPIs) in the Islamic banking industry of Malaysia and Pakistan. For developing the sustainability KPIs index, the study follows the systematic steps as highlighted by prior such studies. The index composed of 109 items in 7 main sections of sustainability reporting adapted to collect data through content analysis for 21 Islamic banks from both the countries for the year 2016. Despite significant heterogeneity among the Islamic banks of the two countries, it is found that they show good compliance with the sustainability indicators. Though the Islamic banking industry of Pakistan is small than that of Malaysia, but still it is good in reporting sustainable practices except for environment and product responsibility, where the latter has an edge over the former. The study contributes a theoretical deliverable i.e. sustainability KPIs index for the Islamic banking industry through testing it with data from 21 Islamic banks from Malaysia and Pakistan. The findings could be significant for practitioners, regulators, policymakers, and especially the Islamic banking industry of both countries.

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INTRODUCTION

There is tremendous growth in the Islamic financial services industry as the overall asset value had been reached USD 1.5 trillion by 2017 as reported by the Islamic Financial

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Services Board: Stability Report 2016 (Islamic Financial Services Board (IFSB), 2016). It necessitates measures for sustainable practices in the Islamic banking industry. Moreover, from the Islamic reporting perspective, the stakeholders expect that social concerns should be a principal agenda of disclosures in annual reports. Accordingly, Islamic banks are supposed to be more translucent and sustainable in their disclosure practices. However, in contrast, the studies reported that sustainability practices particularly in the Islamic banking industry are less matured and not fully implemented as compared to conventional banks (World Bank Group & IRTI, 2016). Among the reasons, there are no comprehensive Key Performance Indicators (KPIs) available for the reporting of sustainability-related practices in the Islamic banking industry. Though some studies attempted to fill this gap including Alvarado-Herrera, Bigne, Aldas-Manzano, and Curras-Perez, (2017), Amran et al. (2017), Jan, Marimuthu, and Pisol, (2019), Moisescu (2015), Rehman et al. (2020), but still space and motivation exist for further research in the area. For instance, despite focusing on sustainability, the studies ignored the integrated reporting mechanisms. Some authors propose to investigate the level of sustainability practices in Islamic banking industries (Rehman et al., 2020). Similarly, in another study, the authors further propose the investigation of other sustainability dimensions such as Governance and Strategic Commitments (GSM), Sharī'ah Compliance (SC), Employees Welfare and Development (EWD), Ethics and Human Rights (EHR), and Product Responsibility (PR) in the Islamic banking industry (Jan et al., 2019). Hence, keeping in view the above discussion, there is a need for a comprehensive index covering all the above aspects for acceptable and comprehensive sustainability reporting. Henceforth, the current study tries to fill this gap by identifying and developing the sustainability reporting KPIs for the Islamic banking industry. The study also attempts to cover the shortcomings of the previous studies by finding answers to the research questions: i) What are the key performance and reporting indicators for sustainability practices among the Islamic banking industry, and ii) What is the trend of sustainability key performance and reporting indicators among the Islamic banking institutions?

To answer, the current study selected the Islamic banking industries of Malaysia and Pakistan for the year 2016. Two major countries like Malaysia and Pakistan could be considered as the best sample for research in Islamic banking practices and performance. The period 2016 of the study could be considered recent as most of the reports of the selected Islamic banks were available online. The data collection procedure of sustainability KPIs is based on Global Reporting Initiative (GRI) framework 2016 and Sharī'ah compliance manuals of both Malaysia and Pakistan. As theoretical deliverables, the study produces a sustainability KPIs index for Islamic banking institutions of Malaysia and Pakistan. The study unveils the factual tendency of these KPIs in the two countries that could be worthy for the practitioners, regulators, and policymakers in the future. The study is also valuable for Islamic banks of both countries to align their sustainability practices reporting with international standards and recommendations.

The paper is further structured as the literature review from a theoretical perspective, followed by the research methodology, findings, discussion, and conclusion of the study.

THEORETICAL FRAMEWORK

The literature review here aims to ascertain the theoretical underpinning/perspective for the study. For decades, scholars have been stressing over the positive role of business towards society. This role led to the consensus for rethinking about Corporate Social Responsibility (CSR). The role further manifested when the world started to face new environmental challenges such as global warming. To face these challenges, the traditional CSR agenda has now transformed into business sustainable practices with a focus on social, economic, and environmental issues. The classical school of thought about business responsibility represented by Friedman (1970) assumed that corporations had the only obligation to make a legitimate profit. Also, it assumed that CSR activities cause extra cost and hence affect firms' sustainability and performance (Pinkston & Carroll, 1996). However, some other scholars enumerated a variety of firms' responsibilities towards their stakeholders. Moreover, these scholars also cascaded many categories of stakeholders and their responsibilities (Donaldson & Preston, 1995; Freeman, 1984). Given that, the current study underpins the theoretical framework based on stakeholder theory as against the shareholders' or shareholders' primacy theory. The theory postulates that the business organizations need to manage positive relationships with the stakeholder for their claims (Perez, Martinez, & Rodriguez del Bosque, 2013). The cases in focus here are the banking institutions, and the welfare they extend or supposed to extend for the betterment of all stakeholders through their actions. These stakeholders included employees, customers, shareholders, society, the environment, and regulatory bodies. The stakeholders' theory impeccably suits to the banking industry for their sustainability practices and benefitting all their stakeholders. Traditionally, the banking industry took good care of the interests of shareholders only to overcome the problems of financial exclusion. However, nowadays, the banking institutions are encouraged to consider sustainability practices into their strategic agenda to focus on social, environmental, and economic sustainability (Alvarado-Herrera et al., 2017; Dissanayake, Tilt, & Xydias-Lobo, 2016).

Context of Islamic Banking in Malaysia and Pakistan *Sustainability-Items generation and identification*

The Islamic banking industry has received substantial introspection and pushes from various stakeholders to peruse operations ethically and responsibly. However, some previous studies noted that the social responsiveness of the Islamic banks has negative implications on their overall performance and reputation (Rehman *et al.*, 2020). Still, the stakeholders now a day are increasingly demanding social responsibility and sustainability practices of the firm. Among others, the investors are also focusing on sustainable practices of the firms where they invest their funds. Subsequently, the management of the Islamic banking industry is in tremendous pressure to adopt sustainability practices in their routine operations (Khan, Islam, Fatima, & Ahmed, 2011). However, as discussed earlier, the management is encountered with the problems of adopting comprehensive and accepted sustainability indicators for the industry. Some studies have attempted to fill this gap. Nevertheless, they also leftover some unexplored aspects creating avenues for further research. Thus, this study fills the evident

gap by developing the sustainability reporting KPIs for the Islamic banking industry. The study also attempts to cover the shortcomings of the previous literature.

Corporate disclosures disseminate appropriate and important information to existing and prospective stakeholders, who can affect or be affected by the company's current and future operations/performance (Ho & Wong, 2001). Moreover, these disclosures serve two purposes for the stakeholders; first, to evaluate the current state of an organization's social, environmental, and economic activities, and second, to communicate these disclosures are the stakeholders (Global Reporting Initiative (GRI), 2013). Sustainability disclosures are voluntary both in Malaysia and Pakistan (Aliyu, Hassan, Mohd Yusof, & Naiimi, 2017; State Bank of Pakistan (SBP), 2018b, 2018a). Voluntary disclosures that may have a substantial influence on the decision-making of the users are the information not mandatory to report. It is the discretion of the firms or their management to voluntarily determine both the quality and quantity of these disclosures or their reporting (Meek, Roberts, & Gray, 1995).

To achieve the objective, this study focuses on identifying the most followed disclosures of Islamic banking sustainability practices. Accordingly, the study utilizes a sustainability disclosure index - an instrument to gauge the reported information under a specific disclosure by a particular entity against a list of certain items or information (Marston & Shrives, 1991). The disclosures index has been widely used in prior studies as a proxy to identify and measure the level of firms' disclosures (Madi, 2012).



FIGURE 1. Steps for Corporate Sustainability (CS) disclosure index development

A four steps approach depicted in Figure 1 was followed to develop sustainability disclosure index for the Islamic banking industry as recommended by previous authors (Anas, Abdul Rashid, & Annuar, 2015; Dissanayake *et al.*, 2016; Kansal, Joshi, & Batra, 2014; Othman, Darus, & Arshad, 2011; Zahid *et al.*, 2019). Firstly, an extensive literature review was employed to identify sustainability indicators. A review of the literature is beneficial to identify, adopt or adapt sustainability indicators and determine the level of their reliability to be used as a proxy for firm sustainability practices (Bonilla-Priego, Font, & Pacheco-Olivares, 2014; Lozano & Huisingh, 2011; Roca & Searcy, 2011). For the development of this index, the current study focused on sustainability indicators based on the GRI sustainability reporting guidelines (Global Reporting Initiative (GRI), 2013) and recommendations for the Islamic banking industry. The "GRI sustainability reporting guidelines were developed as a way of helping organizations to report on their environmental, social and economic performance increasing their accountability, through the implementation of the transparency, inclusiveness, suitability, completeness, relevance, sustainability context, accuracy, neutrality, comparability, clarity, and timeliness principles" (Bonilla-Priego et al., 2014). Moreover, GRI reporting is considered as a helpful tool to gain international confidence, the trustworthiness of corporate reporting, and positive perception among the broader spectrum of stakeholders (Clarkson, Li, Richardson, & Vasvari, 2008; Global Reporting Initiative (GRI), 2013; Othman et al., 2011). To examine the level of sustainability practices, most of the previous studies used sustainability disclosure index based on GRI which has produced consistent and substantiated results across many countries, like the United States of America, Mexico, Malaysia, Australia, Hong Kong, New Zealand, Sweden, Spain, the United Kingdom, China, Kenya, Denmark, Bangladesh, Italy, Pakistan, Malaysia, and Turkey, etc. (Alvarado-Herrera et al., 2017; Amran et al., 2017; Jan et al., 2019; Moisescu, 2015; Rehman et al., 2020).

After the identification and listing of the items of sustainability disclosures in the second step, these disclosures were randomly checked with the selected annual reports of the Islamic banks from both Malaysia and Pakistan. The existing literature related to CS practices mainly focused on the existing indexes developed from past studies to measure sustainability practices (Lozano & Huisingh, 2011; Roca & Searcy, 2011) without considering the country-specific context and industry requirements. However, the current study uses sustainability indicators which are based on the five dimensions approach of sustainability practices proposed and specifically recommended for the Islamic banking industry (Anas *et al.*, 2015; Bursa Malaysia, 2006), as discussed below.

Environmental sustainability

The environmental aspect of sustainability addresses the impact of a firm on both the living and non-living natural systems which include land, air, water, and ecosystems, among others. It also accounts for the firms' impact on inputs (energy and water) and outputs (emissions, effluents, and waste). Biodiversity, transport, product pertaining impacts along with environmental compliance and expenditures are those topics covered under the subject (GRI), 2013,).

Social sustainability

The social dimension of sustainability addresses the impacts of firms on the social systems of the area where they are located or operate. Labor Practices and Decent Work, Human Rights, Society, and Product Responsibility are the key areas of interest under the subject (Global Reporting Initiative (GRI), 2013).

Governance and strategic commitment

Transparency and governance structure, among others, are the characteristics of the firm

crucial for ensuring liability, responsibility, and accountability of the bodies and individuals. These Standard Disclosures explain the establishment of the highest governance body to support a firm's purpose and its alignment with economic, environmental, and social dimensions (Global Reporting Initiative (GRI), 2013).

In the third step, this index was verified from the various industries as recommended by the previous studies (Madi, 2012; Othman et al., 2011). After identification of the most followed items of sustainability practices (including environmental, social, and governance & strategic commitments), a reliability test was conducted using Cronbach's alpha score for all the items to assess the reliability/internal consistency of the disclosure index. The value of Cronbach's alpha of 109 items is 0.947 (combined), 0.949 for Malaysia, and 0.899 for Pakistan. Moreover, there was no item excluded from the index consequent upon zero variance.

Reliability and Scale Statistics								
Cronbach's alpha	Cronbach's alpha	Items	Mean	Variance	Data			
0.947	0.942	100	0.571	0.082	Combine			
0.949	0.945	100	0.543	0.82	Malaysia			
0.899	0.896	100	0.471	0.06	Pakistan			

TABLE 1

The final score of sustainability indicators consists of 109 items (Exhibits in Appendix A), including environmental, social, and governance & strategic commitments categories. Cronbach's alpha score reported in Table 1 is below the recommended threshold (Anas et al., 2015; Kansal et al., 2014).

METHODOLOGY

This study relied on the published annual reports of the Islamic banks in Malaysia and Pakistan for the year 2016. The content analysis method of data collection is less expensive and less obtrusive as compared to some other data collection methods. It has been used frequently and applied in studies related to CS practices (Delai & Takahashi, 2013). The content analysis has been defined as "a technique for gathering data that consists of codifying qualitative information in anecdotal and literary form into categories to derive quantitative scales of varying levels of complexity" (Abbott & Monsen, 1979) cited in (Said, Zainuddin, & Haron, 2009). The study relied on the un-weighted scoring approach as recommended by previous studies (Eccles, Loannou, & Sarafeim, 2013; Esa & Ghazali, 2012; Gao & Bansal, 2013; Haniffa & Cooke, 2005; Nazli, Ahmad, Salat, & Haraf, 2013). In the unweighted scoring method, a dichotomous procedure is applied, where disclosure is assigned a value 1 if an item is disclosed in the report of a company, and 0 otherwise. For recording each disclosure, the CS disclosures index -Appendix A was used. Based on the CS disclosure index, a total score for each company was measured as $CSP = \sum di$ Where d = 1 if the sustainability item is disclosed; and d = 0 if the item is not disclosed and i represents the year(s). The highest score of the content is implied as the highest performance (Singal, 2013). A list of the selected Islamic banks from both the countries (Malaysia and Pakistan) is given in Table 2.

SNo	Name of the Bank	Country			
1	Affin Islamic Bank Berhad	Malaysia			
2	Al Rajhi Banking Investment Corporation (Malaysia) Berhad	Malaysia			
3	Alliance Islamic Bank Berhad	Malaysia			
4	AmBank Islamic Berhad	Malaysia			
5	Asian Finance Bank Berhad	Malaysia			
6	Bank Islam Malaysia Berhad	Malaysia			
7	Bank Muamalat Malaysia Berhad	Malaysia			
8	CIMB Islamic Bank Berhad	Malaysia			
9	HSBC Amanah Malaysia Berhad	Malaysia			
10	Hong Leong Islamic Bank Berhad	Malaysia			
11	Kuwait Finance House (Malaysia) Berhad	Malaysia			
12	Maybank Islamic Berhad	Malaysia			
13	OCBC Al-Amin Bank Berhad	Malaysia			
14	Public Islamic Bank Berhad	Malaysia			
15	RHB Islamic Bank Berhad	Malaysia			
16	Standard Chartered Saadiq Berhad	Malaysia			
17	Bank Islami Pakistan	Pakistan			
18	Islamic commercial bank (Al Baraka)	Pakistan			
19	Meezan Bank	Pakistan			
20	Bank Alfalah Limited	Pakistan			
21	Dubai Islamic Bank Pakistan Ltd	Pakistan			

TABLE 2 List of Islamic Banks

RESULTS

Table 3 reports descriptive statistics of sixteen Malaysian Islamic banks regarding sustainability practices for 2016. It combines range, minimum, maximum, mean, standard deviation, skewness, and kurtosis. SPSS Compute command employed to combine each category namely Governance and Strategic Commitments (GSM), Sharī'ah Compliance (SC), Employees Welfare and Development (EWD), Environmental (ENV), Ethics and Human Rights (EHR), Product Responsibility (PR) and Social (SOC) sustainability. For GSM, the Malaysian Islamic banks reported a minimum of 6, maximum 18, with a mean value of 13.24. Similarly, Pakistani Islamic banks reported a minimum of 12, a maximum 17, and a mean value of 15.40 for GSM. As compared to Malaysian Islamic banks, Pakistani banks report higher mean value and hence lead in GSM. In SC category minimum values are 4 and 8 while maximum values are 11 and 10 with mean values of 8.31 and 9.00 for Malaysian and Pakistani Islamic banks respectively. These statistics also suggest that the mean value for Pakistani banks is higher than that of Malaysia. For EWD, EHR, and SOC the mean value of Islamic banks in Pakistan is higher than those of Malaysia. However, in the ENV and PS categories, the Malaysian Islamic banks have higher mean values than that of Pakistani banks. The overall results reveal that heterogeneity exists between the Islamic banks of the two countries regarding reporting sustainability practices. However, for environmental and product responsibility, Malaysian banks have an edge over their Pakistani counterparts.

TABLE 3										
Descriptive Statistics										
Descriptive Statistics of Malaysia										
	Ν	Range	Min	Max	Mean	S.D	Skewness	STD. Error	Kurtosis	STD. Error
GSM	16	12	6	18	13.875	3.242	-0.811	0.564	0.775	1.091
SC	16	7	4	11	8.312	2.272	-0.754	0.564	-0.26	1.091
EWD	16	7	7	14	10.5	2.191	0.261	0.564	-0.997	1.091
Env	16	14	4	18	10	4.575	0.339	0.564	-1.037	1.091
HER	16	10	1	11	5.125	2.604	0.62	0.564	0.285	1.091
PS	16	15	3	18	11.812	3.371	-0.842	0.564	2.374	1.091
SOC	16	12	0	12	3	4	1.45	0.564	0.509	1.091
	Descriptive Statistics of Pakistan									
	Ν	Range	Min	Max	Mean	S.D	Skewness	STD. Error	Kurtosis	STD. Error
GSM	5	5	12	17	15.4	2.3	-1.016	0.913	-1.007	2
SC	5	2	8	10	9	0.7	0	0.913	2	2
EWD	5	5	11	16	13.6	2.4	-0.473	0.913	-3.086	2
Env	5	8	2	10	5.2	3.11	0.933	0.913	0.762	2
EHR	5	2	13	15	13.6	0.89	1.258	0.913	0.312	2
PS	5	2	7	9	8	1	0	0.913	-3	2
SOC	5	3	10	13	11.6	1.516	-0.315	0.913	-3.081	2
					Descriptiv	ve Statistic	s of Combin	ned		
	Ν	Range	Min	Max	Mean	S.D	Skewness	STD. Error	Kurtosis	STD. Error
GSM	21	12	0	12	3.5238	3.85511	1.085	0.501	-0.302	0.972
SC	21	7	4	11	8.4762	2.01542	-1.015	0.501	0.653	0.972
EWD	21	7	7	14	10.7619	2.07135	0.016	0.501	-1.042	0.972
Env	21	14	4	18	10.8571	4.39643	-0.074	0.501	-1.164	0.972
EHR	21	10	1	11	5.8095	2.61952	0.026	0.501	-0.676	0.972
PS	21	15	3	18	12.2381	3.04803	-1.198	0.501	3.422	0.972
SOC	21	12	0	12	3.5238	3.85511	1.085	0.501	-0.302	0.972

DISCUSSION AND CONCLUSION

To answer the first research question i.e. what are the key performance and reporting indicators for sustainability practices between the Islamic banking industries, the study selected full-fledged Islamic banks from two Islamic countries-Malaysia and Pakistan. The data was collected from the annual reports of these banks. A total of 21 annual reports were utilized in the study combining 16 from Malaysia and 5 from Pakistan. After applying for a comprehensive literature review, 100 indicators were identified under seven major headings. The identified indicators were then verified through a relevant test for reliability.

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The results disclosed and validated the identified indicator for sustainability, as the most followed by the Islamic banks of both countries. To answer the second research question of the study i.e. what is the trend of sustainability key performance and reporting indicators among the Islamic banking industry, the descriptive statistical inquiry provided evidence for a noteworthy heterogeneity regarding sustainability practices in Islamic banks of the two countries. Despite a limited number of Islamic banks in Pakistan, they reported better sustainability practices than Malaysian banks except for environment and product responsibility, where the latter has edge over the former. The study identified the most followed sustainability indicators among the Islamic banking industry of Malaysia and Pakistan. Hence, it contributed a theoretical deliverable i.e. sustainability KPIs index for the Islamic banking industry through testing it with data from 21 Islamic banks from Malaysia and Pakistan. The findings could be significant for practitioners, regulators, policymakers, and especially the Islamic banking industry of both countries. For further robustness, the index of the current study should be further tested in the longitudinal nature of data. Moreover, it is also recommended to test the index in other countries where the Islamic banking industry exists, is expanding, or has prospects.

REFERENCES

- Abbott, W. F., & Monsen, R. J. (1979). On the measurement of corporate social responsibility: Self-reported disclosures as a method of measuring corporate social involvement. *Academy of Management Journal*, 22(3), 501-515. doi: https://doi.org/10.5465/255740
- Aliyu, S., Hassan, M. K., Mohd Yusof, R., & Naiimi, N. (2017). Islamic banking sustainability: A review of literature and directions for future research. *Emerging Markets Finance* and Trade, 53(2), 440-470. doi: https://doi.org/10.1080/1540496X.2016.1262761
- Alvarado-Herrera, A., Bigne, E., Aldas-Manzano, J., & Curras-Perez, R. (2017). A scale for measuring consumer perceptions of corporate social responsibility following the sustainable development paradigm. *Journal of Business Ethics*, 140(2), 243-262. doi: https://doi.org/10.1007/s10551-015-2654-9
- Amran, A., Fauzi, H., Purwanto, Y., Darus, F., Yusoff, H., Zain, M. M., Malianna, D., Naim, A., & Nejati, M. (2017). Social responsibility disclosure in Islamic banks: A comparative study of Indonesia and Malaysia. *Journal of Financial Reporting and Accounting*, 15(1). doi: https://doi.org/http://dx.doi.org/10.1108/MRR-09-2015-0216
- 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. doi: https://doi.org/10.1108/SRJ-02-2013-0014
- Bonilla-Priego, M. J., Font, X., & Pacheco-Olivares, M. D. R. (2014). Corporate sustainability reporting index and baseline data for the cruise industry. *Tourism Management*, 44, 149-160. doi: https://doi.org/10.1016/j.tourman.2014.03.004
- Bursa Malaysia. (2006). Corporate Social Responsibility (CSR) framework for Malaysian public listed companies. Retrieved from: https://www.scribd.com/document/76636360/Csr-Writeup

- Clarkson, P. M., Li, Y., Richardson, G. D., & Vasvari, F. P. (2008). Revisiting the relation between environmental performance and environmental disclosure: An empirical analysis. Accounting, Organizations and Society, 33(4-5), 303-327. doi: https://doi.org/10.1016/j.aos.2007.05.003
- Delai, I., & Takahashi, S. (2013). Corporate sustainability in emerging markets: Insights from the practices reported by the Brazilian retailers. *Journal of Cleaner Production, 47*, 211-221. doi: https://doi.org/10.1016/j.jclepro.2012.12.029
- Dissanayake, D., Tilt, C., & Xydias-Lobo, M. (2016). Sustainability reporting by publicly listed companies in Sri Lanka. *Journal of Cleaner Production*, *129*(2016), 169-182. doi: https://doi.org/10.1016/j.jclepro.2016.04.086
- Donaldson, T., & Preston, L. E. (1995). The stakeholder theory of the corporation: Concepts, evidence, and implications. *Academy of Management Review*, 20(1), 65-91. doi: https://doi.org/10.5465/amr.1995.9503271992
- Eccles, R. G., Loannou, L., & Sarafeim, G. (2013). The Impact of corporate sustainability on organizational processes and performance. *Management Science*, *60*(11), 1-46. doi: https://doi.org/http://dx.doi.org/10.1287/mnsc.2014.1984
- Esa, E., & Ghazali, N. A. M. (2012). Corporate social responsibility and corporate governance in Malaysian government-linked companies. *Corporate Governance: The International Journal of Business in Society*, 12(3), 292-305. doi: https://doi.org/10.1108/14720701211234564
- Freeman, R. E. (1984). Stakeholder Theory of the modern corporation. strategic management: A stakeholder approach. Cambridge, UK: Cambridge University Press. doi: ttps://doi.org/10.1017/CBO9781139192675
- Friedman, M. (1970). A Friedman doctrine: The social responsibility of business is to increase its profits. *The New York Times Magazine*, 13, 32-33.
- Gao, J., & Bansal, P. (2013). Instrumental and integrative logics in business sustainability. Journal of Business Ethics, 112(2), 241-255. doi: https://doi.org/10.1007/s10551-012-1245-2
- Global Reporting Initiative (GRI). (2013). G4 global reporting initiative guidelines: Reporting principles and standard disclosures. Retrieved from: doi: https://cutt.ly/4sWr8Wf
- Haniffa, R. M., & Cooke, T. E. (2005). The impact of culture and governance on corporate social reporting. Journal of Accounting and Public Policy, 24(5), 391-430. doi: https://doi.org/10.1016/j.jaccpubpol.2005.06.001
- Ho, S. S. M., & Wong, K. S. (2001). A study of corporate disclosure practices and effectiveness in Hong Kong. *Journal of International Financial Management and Accounting*, *12*(1), 75-101.
- Islamic Financial Services Board (IFSB). (2016). *Islamic financial services industry: Stability report 2016.* Islamic Financial Services Board, Kuala Lumpur, Malaysia.
- Jan, A., Marimuthu, M., & Pisol, M. (2019). The nexus of sustainability practices and financial performance: from the perspective of Islamic banking. *Journal of Cleaner Production*, 1(2), 1-25. doi: https://doi.org/10.1016/j.jclepro.2019.04.208

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- Kansal, M., Joshi, M., & Batra, G. S. (2014). Determinants of corporate social responsibility disclosures: Evidence from India. Advances in Accounting, 30, 217-229. doi: https://doi.org/10.1016/j.adiac.2014.03.009
- Khan, H., Islam, M. A., Fatima, J. K., & Ahmed, K. (2011). Corporate sustainability reporting of major commercial banks in line with GRI: Bangladesh evidence. *Social Responsibility Journal*, 52(2), 82-109. doi: https://doi.org/10.1108/1747111111154509
- Lozano, R., & Huisingh, D. (2011). Inter-linking issues and dimensions in sustainability reporting. *Journal of Cleaner Production*, 19(2-3), 99-107. doi: https://doi.org/10.1016/j.jclepro.2010.01.004
- Madi, H. K. (2012). Audit committee effectiveness and voluntary disclosure in Malaysia: Pre and post introduction of the revised Malaysian code on corporate governance 2007 (Ph.D. dissertation). Universiti Utara Malaysia, Changlun, Malaysia.
- Marston, C. L., & Shrives, P. J. (1991). The use of disclosure indices in accounting research: A review article. *The British Accounting Review*, 23(3), 195-210. doi: https://doi.org/10.1016/0890-8389(91)90080-L
- Meek, G. K., Roberts, C. B., & Gray, S. J. (1995). Factors influencing voluntary annual report disclosures by US, UK and continental European multinational corporations. *Journal of International Business Studies*, 26(3), 555-572.
- Moisescu, O. I. (2015). Development and validation of a measurement scale for customers' perceptions of corporate social pesponsibility. *Management & Marketing*, *13*(2), 311-332.
- Nazli, N., Ahmad, N., Salat, A., & Haraf, A. (2013). Environmental disclosures of Malaysian property development companies: Towards legitimacy or accountability? *Social Responsibility Journal*, 9(2), 241-258. doi: https://doi.org/10.1108/SRJ-10-2011-0090
- Othman, S., Darus, F., & Arshad, R. (2011). The influence of coercive isomorphism on corporate social responsibility reporting and reputation. *Social Responsibility Journal*, 7(1), 118-135. doi: https://doi.org/10.1108/1747111111114585
- Perez, A., Martinez, P., & Rodriguez del Bosque, I. (2013). The development of a stakeholder-based scale for measuring corporate social responsibility in the banking industry. *Service Business*, 7(3), 459-481. doi: https://doi.org/10.1007/s11628-012-0171-9
- Pinkston, T. S., & Carroll, A. B. (1996). A retrospective examination of CSR orientations: Have they changed? *Journal of Business Ethics*, 15(2), 199-206. doi: https://doi.org/10.1007/BF00705587
- Rehman, Z. U., Zahid, M., Rahman, H. U., Asif, M., Alharthi, M., Irfan, M., & Glowacz, A. (2020). The impact of corporate social responsibility disclosure on the financial performance of Islamic banking industry in Pakistan. *Sustainability*, 12(3302), 1-18. doi: https://doi.org/10.3390/su12083302
- Roca, L. C., & Searcy, C. (2011). An analysis of indicators disclosed in corporate sustainability reports. *Journal of Cleaner Production*, 20(1), 103-118. doi: https://doi.org/10.1016/j.jclepro.2011.08.002
- Said, R., Zainuddin, Y. H., & Haron, H. (2009). The relationship between corporate social responsibility disclosure and corporate governance characteristics in Malaysian public

listed companies. *Social Responsibility Journal*, *5*(2), 212-226. doi: https://doi.org/10.1108/17471110910964496

State Bank of Pakistan (SBP). (2018a). *Islamic banking bulletin*. Islamic Banking Department, State Bank of Pakistan, Karachi, Pakistan.

State Bank of Pakistan (SBP). (2018b). *State bank of Pakistan*. Retrieved from: http://www.sbp.org.pk/departments/ibd.htm

- Singal, M. (2013). The link between firm financial performance and investment in sustainability initiatives. *Cornell Hospitality Quarterly*, 55(1), 19-30. doi: https://doi.org/10.1177/1938965513505700
- World Bank Group, & IRTI. (2016). *Global report on Islamic finance: A catalyst for shared prosperity?* Islamic Development Bank Group, Jeddah, Saudi Arabia.
- Zahid, M., Rahman, H. U., Muneer, S., Butt, B. Z., Isah-Chikaji, A., & Memon, M. A. (2019). Nexus between government initiatives, integrated strategies, internal factors and corporate sustainability practices in Malaysia. *Journal of Cleaner Production*, 241, 118329. doi: https://doi.org/10.1016/j.jclepro.2019.118329

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APPENDIX

Index for Sustainability Reporting Indicators in Islamic Banking Governance and Strategic Commitment

- 1. Focus on maximizing stakeholders returns
- 2. Operating within the Sharī'ah principles
- 3. Appreciating the stakeholders and the customers
- 4. Commitment to engage only in permissible financing activities
- 5. Name of the board of directors
- 6. Position holding the board of directors
- 7. Shareholding of the board of directors
- 8. Remuneration of the board of directors
- 9. Head of the audit committee observing the AAIOFI standards
- 10. Profile for the board of directors
- 11. Various sub-committees exist
- 12. Name and position of the sub-committees exist
- 13. Any internal committee for the customer's grievance mechanism
- 14. Academic qualification of the management team
- 15. Members of the sub-committee of the management team
- 16. Remuneration committee
- 17. Any human resource management committee
- 18. Proper functional Research and development

Sharī'ah Compliance

- 1. Names of the SSB members
- 2. Qualification of the SSB members
- 3. Remuneration of the members
- 4. Proper report signs by the members
- 5. Numbers of meetings held
- 6. Examination of the documents based on the sample
- 7. Examination of all the documents
- 8. No defect in the products
- 9. Report defects in the products
- 10. Report of the SSB
- 11. Nature of unlawful transactions
- 12. Certification of the distribution of profits and loss complying with principles of Sharī'ah
- 13. $Zak\bar{a}h$ calculated according to the Sharī'ah

Social Sustainability

- 1 Funding to organizations that provide benefits to the community for social equity
- 2 Fostering strong links with the community/public service
- 3. Creating job opportunities
- 4. Amount spent in community activities

- 5. Participation in government-sponsored social activities
- 6. Zakāh payment-monetary
- 7. Zakāh payment-beneficiaries
- 8. SSB attestation that sources and uses of $zak\bar{a}h$ are according to Sharī'ah
- 9. SSB attestation that $Zak\bar{a}h$ has been computed according to Sharī'ah
- 10. Qard hassan-monetary
- 11. Qard hassan-beneficiaries
- 12. *Sadqah*-monetary
- 13. Sadqah-beneficiaries
- 14. Regular performance and career development report
- 15. Strategy formulation and decision-making support to the top management standard-
- ize training curriculum
- 16. Database management

Employees Welfare and Development

- 1. Equal opportunities policy
- 2. Employees' welfare
- 3. Ensuring diversity
- 4. Any promotion mechanism/policy for the employees
- 5. Training: Sharī'ah awareness
- 6. Training: professional skill
- 7. Encouraging talent
- 8. Keeping the policy of international labor standard
- 9. Reward for employees
- 10. Employees' appreciation
- 11. Any health, education facilities for the employee
- 12. Any promotion mechanism/policy for the employees
- 13. Any online or offline grievances mechanism for the employees
- 14. Gender equality
- 15. Measures for the staff safety
- 16. Occupational health and education facilities to employees
- 17. Equal remuneration for men and women

Ethics and Human Rights

- 1. Non-discriminative policies irrespective of age, sex, and ethnicity
- 2. Policies regarding sexual harassment
- 3. Dealing with the legal items only
- 4. Paying the taxes to the government
- 5. Comprehensive code of conduct
- 6. Whether the bank prevents corruption and other financial irregularities
- 7. Protects human rights
- 8. Whether provides accurate information to the customers
- 9. Provides secure transactions
- 10. The proper security mechanism for employees and customers

- 11. Whether following rules and regulations prescribed by the state bank of Pakistan
- 12. Whether observing the labor laws practices
- 13. Supplier human rights assessment
- 14. Gender equality
- 15. Anti-corruption and anti-money laundering policies
- 16. Proper code of ethics for the employees
- 17. Proper code of ethics for the internal auditors
- 18. Human rights grievances mechanism

Product and Services

- 1. Basis of Sharī'ah concept on the new product
- 2. Introduction of SSB approved new products
- 3. Definition of the new product
- 4. Safe and Secure internet facilities available for banking
- 5. No investment in non-permissible products
- 6. Fair dealing with those in the supply chain
- 7. Secure internet banking facility provided to the customer/stakeholders
- 8. Any customer grievances mechanism
- 9. Nature of the unlawful transaction
- 10. Promotion of research and development
- 11. Customers secrecy and privacy
- 12. Customers health and safety

Environmental Sustainability

- 1. Introduction of the green product
- 2. Glossary/definition of the green product
- 3. The amount of donation in environmental awareness
- 4. Financing in any project which may lead to environmental damage
- 5. Initiatives to mitigate environmental impacts of product and services
- 6. Focus on risk-based corrective actions
- 7. Environmental grievances mechanism
- 8. Investment in environmentally friendly products
- 9. Energy conservation
- 10. Measures for providing clean water to the stakeholders
- 11. Water conservation
- 12. Biodiversity
- 13. Measures for reduction of greenhouse gases
- 14. Measures to ensure pollution-free transport to the employees and stakeholders
- 15. Supplier environmental assessment