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## The Impact of Internet-Based Corporate Governance Sharia (IBCGS) Rating on Shareholders Trust in Jakarta Islamic Index Companies

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**Abstract:** *The purpose of this research is to present the quality measurement of internet-based Islamic corporate governance and identify its effects on stakeholder trust. In measuring the implementation of corporate governance, this study uses the method of measuring the quality of Islamic corporate governance (IBCGS), as the development of IBCG and IBCG Rating Modified. This research uses descriptive exploratory analysis tools with PLS-SEM as the statistical tool. The object of this research is a company registered in the Jakarta Islamic Index (JII). The results showed that the implementation of corporate governance based on IBCGS by sample companies had been implemented but with varying quality. Meanwhile, the implementation of corporate governance in sharia companies positively influences shareholder trust manifested by their return on equity, stock returns and earnings per share. The findings of this study are expected to contribute to the signalling theory and agency theory in explaining the influence of the quality of corporate governance on the shareholder trust that should be concerned by sharia companies.*

**Keywords:** *Sharia corporate governance; IBCGS; stakeholder trust*

**Paper type:** *Research paper*

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**Abstrak:** Tujuan dari penelitian ini adalah untuk mempresentasikan pengukuran kualitas tata kelola perusahaan syariah berbasis internet dan mengidentifikasi pengaruhnya terhadap kepercayaan pemangku kepentingan. Dalam mengukur penerapan corporate governance, penelitian ini menggunakan metode pengukuran kualitas Islamic corporate governance (IBCGS), sebagai pengembangan dari IBCG dan IBCG Rating Modified. Penelitian ini menggunakan alat analisis deskriptif eksploratif dengan PLS-SEM sebagai alat statistiknya. Objek penelitian ini adalah perusahaan yang terdaftar di Jakarta Islamic Index (JII). Hasil penelitian menunjukkan bahwa penerapan corporate governance berbasis IBCGS oleh perusahaan sampel telah dilaksanakan namun dengan kualitas yang bervariasi. Sedangkan penerapan corporate governance pada perusahaan syariah berpengaruh positif terhadap kepercayaan pemegang saham yang diwujudkan dengan return on equity, return saham dan earning per share. Temuan penelitian ini diharapkan dapat memberikan kontribusi pada teori signaling dan teori keagenan dalam menjelaskan pengaruh kualitas tata kelola perusahaan terhadap kepercayaan pemangku kepentingan yang harus diperhatikan oleh perusahaan syariah.

**Kata kunci:** Sharia corporate governance; IBCGS; stakeholder trust

## INTRODUCTION

Increasing stakeholder value is the main goal of any company, whether conventional or sharia. Stability, financial performance, and ability to manage resources will depend on stakeholder trust in each institution and industry. A special confidence feature in Islamic companies is the requirement to convey to stakeholders that their business is conducted following their religious beliefs.

Good corporate governance must include sharia compliance because it affects stakeholders. In addition, there are social and religious dimensions that need to be considered. Although good financial performance is essential for stakeholders, the main goal of Islamic companies is to fulfil the wishes of stakeholders, running company businesses following sharia principles (AAOIFI, 2010; Grais and Pellegrini, 2006b, IFSB, 2006) in Ginena (2014).

Good corporate governance consists of three main elements: namely transparency, disclosure and accountability. In sharia corporate governance, the three main principles are primarily accountable to God and shareholders and stakeholders. The fundamental objective of Islamic corporate governance is to run the corporation following Islamic law principles (Muneeza and Hassan, 2014).

According to Solomon (2020), corporate governance is a system of checks and balances, both internal and external to the company, ensuring that companies carry out their accountability to all stakeholders and act in a socially responsible manner in all areas of their business activities. This definition emphasizes broader accountability, not just limited to shareholders.

Meanwhile, Shleifer and Vishny (1997) in Tricker (2019) define corporate governance as the method or mechanism used to convince the owners of capital that the investments invested will receive appropriate returns. The meaning of "convincing" in the definition implies that the company manager (agent) will try to run the company as well as possible following the principles of good company management.

In Islamic teachings, several principles support the implementation of good corporate governance, namely sharia principles. Sharia principles are part of the

sharia system. The principles of corporate governance are very supportive of sharia institutions because they are in line with sharia principles such as, among others: justice, transparency, accountability, responsibility, morality, commitment, and independence. On the other hand, the principles of governance are currently adopted by many countries, especially the OECD (Organization for Economic Cooperation and Development) countries. The importance of corporate governance became more prominent when the Minister of State-Owned Enterprises Regulation No. PER-01/MBU/2011 concerning the implementation of good governance. The regulation is getting stronger, especially for companies that have gone public in the capital market. Based on the type, there are two types of shares currently available on the stock exchange: conventional and Islamic shares.

The Islamic capital market in Indonesia has emerged with the issuance of the MUI fatwa No. 05/DSN-MUI/IV/2000 concerning the sale and purchase of shares. The division of conventional and sharia companies became stronger after the inauguration of the Jakarta Islamic Index (JII) on July 3, 2000. This development demands good management (especially the transparency aspect) for each issuer. The more global business activities, the demands for transparency that can be reached from various parts of the world become a necessity. Global infrastructure (internet) is possible to meet these needs.

### ***Corporate Governance and Sharia Corporate Governance***

Jensen and Meckling (1976) in Solomon (2020) discuss managerial behaviour, agency costs and ownership structure, and conflicts of interest between various parties. According to Edmans (2014), the company's development causes the need for a mechanism that can guarantee that management will manage the company under the interests of the owner.

The meaning of "implementation of GCG in sharia companies" is different from "Islamic GCG in companies". In terms of implementing GCG in Islamic companies, the principles adopted in corporate governance adopt the OECD version. While sharia GCG for companies means that sharia corporate governance measurements are presented first, these measurements are used to assess the quality of sharia governance of the company. The second concept is the basis for efforts to build a measurement of sharia corporate governance by internalizing the values of monotheism so that it is hoped that a more humanist, transcendental and theological concept will emerge, recognizing the Oneness of Allah and there is no God but Allah in the world. in it (Q.S Al-Ahqaaf: 4).

Two things underlie the need for quality measurement based on sharia principles. *First*, Allah is the creator, owner, and sole ruler of the universe and its resources (Q.S Al-Ahqaaf: 3 and Al-Baqarah: 284). God gives a mandate in the form of resources to stakeholders, so stakeholders have the responsibility to use these resources under the provisions and goals that God has made. In addition, humans are obliged to spread grace (wealth) to all creatures (*rahmatan lil 'alamin*) in *amr ma'ruf nahi munkar*, fair and under reason and conscience of Qur'an (Q.S. 21: 107).

Compared to the OECD version of GCG, which only emphasizes the distribution of company grace to stakeholders. If that is the basis for the concept,

then the OECD version of corporate governance is different from the sharia construction. In the shari'ah construct, (Wulandari, 2010) GCG prioritizes the distribution of the company's grace to direct and indirect stakeholders (community *mustahiq*, and nature) in a fair manner. *Second*, in terms of accountability, GCG in sharia construction prioritizes accountability both vertically and horizontally (God, humans, and nature).

### **Agency and Signalling Theory**

Agency theory in this study is used to explain the urgency of corporate governance. Jensen and Meckling (1976) in Solomon (2020) state that agency costs arise from differences in interests between owners and managers. The difference between the interests of the owner and management lies in maximizing the benefits (utility) of the owner (principal) with the constraints of benefits (utility) and incentives that will be received by management (agent). Due to different interests, conflicts of interest often arise between shareholders/owners (principals) and management.

Good quality companies will signal the market; thus, the market is expected to be able to distinguish between good and bad quality companies. For the signal to be effective, it must be captured by the market and perceived well and not easily imitated by poor quality companies (Su et al., 2014). Two things can show the importance of this research. They were first, related to the development of the number of companies that implement sharia principles. The indicator can be seen on the Indonesia Stock Exchange. This phenomenon certainly demands the need for measuring corporate governance with sharia principles as the basis for assessing its quality. The second urgency is related to the implications of the sharia-based C.G. assessment on stakeholder trust because there are still various research results. Several researchers (Ammann et al., 2011; Dharmapala et al., 2013; and Siagian et al., 2013) argue that the quality of governance in a company can increase firm value. This means that stakeholders' trust in the company is driven by the quality of the implementation of corporate governance.

### **The Urgency of Internet-Based Corporate Governance Implementation**

The emergence of an internet-based corporate governance assessment (IBCG rating modified) developed by Musdholifah and Hartono (2015) departs from the design made by Grzybkowski and Wójcik (2006) in the form of IBCG (Internet Based Corporate Governance) Rating after criticizing the weakness of the methodology transparency of the use of governance index built-in several developed countries (Ammann et al., 2013; Borisova et al., 2012; Krafft et al., 2013) and in several developing countries (Aggarwal, 2013; Al-Malkawi et al., 2014; Francis et al., 2013; Mishra and Mohanty, 2014; Price et al., 2011). However, the Modified IBCG Rating has not been able to meet the needs of sharia corporate governance measurement because it only assesses the quality of corporate governance for established companies. Studies on sharia corporate governance conducted in Malaysia and the Middle East (Grassa and Matoussi, 2014; Hasan, 2011; Mollah and Zaman, 2015; Muneeza and Hassan, 2014; Choudhury and Hoque, 2019) only focus on the banking and financial sector, minimally examines the development of governance quality in the non-financial sector.

In Indonesia, this limitation can also be seen from the existing regulations. The narrative in the explanation of Indonesian Bank Regulation (PBI) No. 1/1/33/PBI/2009 concerning the Implementation of Good Corporate Governance (GCG) for Sharia Commercial Banks (BUS) and Sharia Business Units (UUS). There are so many business activities that also run business with sharia principles. Its existence, of course, requires regulations for the application of sharia corporate governance similar to those regulated in Islamic banking. This research is expected to contribute to supporting the issuance of these regulations. Based on this phenomenon, this study proposes developing a sharia-based corporate governance assessment model for all companies that are members of the Jakarta Islamic Index by using the internet as a basis for assessment. The results of this study are expected to contribute to the formulation of policies carried out by the Financial Services Authority (OJK) regarding the implementation of sharia corporate governance.

Sami et al. (2011) use the corporate governance index (CGI) and show that CGI maintains a positive relationship with firm performance. Braga-Alves and Shastri (2011) in Brazil found a positive correlation between governance and market value. In Russia, Li et al. (2012) showed a positive and significant effect of the quality of corporate governance on the company's market value. Balasubramanian et al. (2010) also found a positive relationship between the overall governance index and its sub-indexes on firm profits and more robust growth opportunities. Gu and Hackbarth (2012) examined how accounting transparency and interaction in corporate governance. Firms with better governance are associated with higher abnormal returns. Garay et al. (2013) examined the relationship between Internet-based corporate disclosure index and firm performance in Latin America. They found that each 1% increase in the index led to a 0.1592 per cent increase over Tobin's Q and a 0.0119 per cent increase in ROA.

The results of other studies show that the implementation of corporate governance cannot improve the company's performance optimally, as expected as the findings of Buallay et al. (2017). Munisi and Randøy (2013) also expressed different opinions, Pham et al. (2011) and Wintoki et al. (2012). His research did not find a relationship between composite corporate governance scores or sub-categories with various company performance/value measures. Variations in the study results indicate that it is essential to examine the implications of the quality of corporate governance on the level of trust of stakeholders.

Based on the explanation of the theory above, this research proposal aims to examine the implications of the sharia corporate governance assessment on the level of trust of shareholders. The shareholder context in this study consists of investors as reflected by the size of EPS (earnings-per-share) and market reactions as measured by stock price fluctuations and the company's internal, which is represented by its performance. Hence, the research hypotheses are:

H1: the quality of Islamic corporate governance (IBCGS) affects earnings per share.

H2: the quality of Islamic corporate governance (IBCGS) affects stock returns.

H3: the quality of Islamic corporate governance (IBCGS) affects sales growth.

H4: the quality of Islamic corporate governance (IBCGS) affects profitability.

## RESEARCH METHODS

### Population and Sample

The population of this study are companies listed on the Indonesia Stock Exchange (IDX). The unit of analysis of this research is the company that submits its annual report on the website. The sample used in the study was selected using a targeted sampling method, based on specific criteria: 1) Companies listed on the Indonesia Stock Exchange which are members of the Jakarta Islamic Index (JII); 2) The company has official website, not under maintenance, and provides an annual report on the company website, and 3) The company is listed on the IDX for at least three years.

### Method of collecting data

The data sources in this study are secondary data, that obtained from the company's website and the 2020 annual report obtained from the website of each sample company. The measurement of the quality of corporate governance uses the Sharia IBCG Rating index by Musdholifah and Hartono (2015) that consist of 134 criteria and divided into five main categories. The IBCG Rating system is based on 'yes/no responses', where if there is information desired from the required criteria, then the points obtained are 1. However, if the required information is not available, then the points obtained are 0. The following table shows the number of questions and the maximum number of points and percentages (weighted points) generated for each category.

Table 1: The main categories of *IBCG Rating Modified*

| <i>IBCG Category</i>              | <i>Max points</i> | <i>Max weighted points</i> |
|-----------------------------------|-------------------|----------------------------|
| 1. <i>Shareholders</i>            | 42                | 30                         |
| 2. <i>Transparency</i>            | 38                | 30                         |
| 3. <i>Board of directors</i>      | 26                | 15                         |
| 4. <i>Executive management</i>    | 18                | 15                         |
| 5. <i>Technical accessibility</i> | 10                | 10                         |
| <i>Total</i>                      | 134               | 100                        |

Source: Musdholifah and Hartono (2015)

The formula for calculating the IBCG Rating Modified value follows the measurement model compiled by Grzybkowski and Wojcik (2006) as follows:

$$IBCG\ Weighted = ((score/max\ points) \times 100\%) \times (max\ weighted\ points) \quad (1)$$

Furthermore, the level of shareholder trust in this study is measured by EPS (earnings per share), stock price fluctuations, sales growth, revenue and profitability levels.

### Data analysis method

The data analysis method used SEM, which is a multivariate statistical analysis method. Analysis with SmartPLS-SEM there are three activities simultaneously, namely checking the validity and reliability of the instrument (confirmatory factor analysis), testing the relationship model between variables (path analysis), and getting a suitable model for prediction (structural model analysis and regression analysis). The measurement model is carried out to produce an assessment of the validity and discriminant validity (Outer Model), while the structural model, namely the modelling that describes the hypothesized relationships (Inner Model)

(Hair et al., 2019). The consideration for choosing SmartPLS-SEM is that the data in the SmartPLS analysis does not have to have a normal distribution because SmartPLS uses the bootstrapping method or random multiplication. In addition to being related to the normality of the data, by doing bootstrapping, PLS does not require a minimum number of samples, and SmartPLS can test formative and reflective SEM models with different indicator measurement scales in one model.

**RESULTS AND DISCUSSION (Hasil berisi analiss data, pembahasan analissi hasil dengan penelitian terdahulu. Belum Nampak jelas mana hasil mana pembahasan. Setelah hasil baru pembahasan. Penutup beesi kesimpulan, keterbatasan dan rekomendasi untuk penelitian selanjutnya. Tabel terlalu banyak dan mohon diperhatikan model penulisan tabel.**

The object of this study uses all stocks indexed by the JII (Jakarta Islamic Index) 2020. The JII index is one of the stock indexes on the Indonesia Stock Exchange, which calculates the average index of stocks that meet sharia criteria, have the largest market capitalization and have a high level of liquidity and high trading value. This index has been launched in 2000 and continues to be evaluated every six months.

#### **Description of Research Data**

Descriptive statistical data that will be presented in this study include the average value of the data from the variable (mean), the highest value (maximum), the lowest value (minimum), and the standard deviation (s) of the data from the variable (K) over each variable. This study uses 30 companies as the object of study. The calculation of the value of The Syaria IBCG Weighted Points for each company will include a series of calculations related to several categories observed on the website, namely, Shareholders, Transparency, Board of Directors (Board of Commissioners), Executive Management (Board of Directors), and Technical Accessibility categories.

The value entered in the index (Table 2) is the result of the Score value obtained from the number of the fulfilment of the criteria requested by the IBCG Rating, divided by the Max Points value. The calculation results are then multiplied by the Max Weighted Points value that has been determined for each category on the IBCG Rating.

The results of the IBCG Rating calculation can be seen that the level of quality of corporate governance based on The syaria IBCG Weighted Points with the highest index value is 88.16 while the lowest value is 55.04. The calculated average of the overall IBCG Weighted Points scores for these companies is 73.63. If we assume that the median limit of a company considered to have a level of good governance quality is 50, it can be concluded that the average company sampled in this study has a relatively good level of governance quality.

#### **Table 2. The Result Calculation of IBGCS Jakarta Islamic Indexed Companies**

| Companies | IBCGS Rating Components |              |          |                      |                         | Total       |
|-----------|-------------------------|--------------|----------|----------------------|-------------------------|-------------|
|           | Shareholder             | Transparency | BoD      | Executive Management | Technical Assessibility |             |
| 1         | 22,85714                | 24,47368     | 12,11538 | 11,66667             | 5                       | 76,11287835 |
| 2         | 22,14286                | 25,26316     | 12,69231 | 10                   | 7                       | 77,09832273 |
| 3         | 24,2857                 | 26,0526      | 12,69231 | 11,6667              | 7                       | 81,69732022 |
| 4         | 17,1429                 | 22,1053      | 12,11538 | 6,66667              | 7                       | 65,03017158 |
| 5         | 25,00                   | 20,53        | 12,69231 | 13,33                | 10,00                   | 81,55195682 |
| 6         | 17,1429                 | 19,7368      | 9,230769 | 7,5                  | 8                       | 61,61046848 |
| 7         | 24,2857                 | 15           | 6,346154 | 5                    | 10                      | 60,63186813 |
| 8         | 17,1429                 | 16,5789      | 12,11538 | 10,8333              | 7                       | 63,67052246 |
| 9         | 24,2857                 | 23,6842      | 11,53846 | 10                   | 8                       | 77,50838635 |
| 10        | 20                      | 18,1579      | 9,230769 | 7,5                  | 10                      | 64,88866397 |
| 11        | 20                      | 18,1579      | 9,230769 | 9,16667              | 8                       | 64,55533063 |
| 12        | 20,7143                 | 22,8947      | 13,26923 | 11,6667              | 8                       | 76,54491999 |
| 13        | 23,5714                 | 26,8421      | 14,42308 | 13,3333              | 10                      | 88,16994409 |
| 14        | 25                      | 27,6316      | 13,84615 | 14,1667              | 7                       | 87,64439946 |
| 15        | 24,2857                 | 24,4737      | 10,96154 | 10,8333              | 10                      | 80,55427029 |
| 16        | 17,1429                 | 20,5263      | 10,96154 | 7,5                  | 7                       | 63,13071139 |
| 17        | 20                      | 24,4737      | 13,84615 | 12,5                 | 6                       | 76,81983806 |
| 18        | 15,7143                 | 17,3684      | 8,076923 | 7,5                  | 7                       | 55,65962984 |
| 19        | 20,7143                 | 21,3158      | 12,69231 | 12,5                 | 9                       | 76,22238288 |
| 20        | 23,57143                | 26,05263     | 13,26923 | 13,33333             | 6                       | 82,22662425 |
| 21        | 18,57143                | 27,63158     | 10,96154 | 11,66667             | 6                       | 74,83121265 |
| 22        | 22,14286                | 24,47368     | 12,69231 | 10                   | 7                       | 76,30884905 |
| 23        | 20,71429                | 22,89474     | 10,96154 | 10                   | 8                       | 72,57056102 |
| 24        | 23,57143                | 26,05263     | 10,38462 | 10                   | 4                       | 74,00867553 |
| 25        | 17,85714                | 14,21053     | 9,807692 | 9,166667             | 4                       | 55,04202815 |
| 26        | 22,85714                | 26,84211     | 12,69231 | 13,33333             | 9                       | 84,72488915 |
| 27        | 23,57143                | 26,05263     | 12,11538 | 11,66667             | 7                       | 80,40611143 |
| 28        | 25                      | 26,84211     | 13,26923 | 11,66667             | 7                       | 83,7780027  |
| 29        | 21,42857                | 22,10526     | 10,96154 | 10                   | 8                       | 72,49537305 |
| 30        | 26,42857                | 28,42105     | 13,26923 | 10,83333             | 8                       | 86,95218816 |

Source: Data processed by authors

The quality of corporate governance is represented by the IBCG Rating of each sample company. IBCG Rating is the dependent variable to answer the first hypothesis and as an independent variable in the second hypothesis. Statistical results show the description of the quality of corporate governance variables as follows:

**Descriptive Analysis**

Table 3. Descriptive Statistics Result

| <b>Descriptive Statistics</b> |    |         |         |           |                |
|-------------------------------|----|---------|---------|-----------|----------------|
|                               | N  | Minimum | Maximum | Mean      | Std. Deviation |
| Shareholder                   | 30 | 15.7143 | 26.4286 | 21.704762 | 2.9732406      |
| Transparency                  | 30 | 14.2105 | 28.4211 | 22.894860 | 3.9663031      |
| Board of Director             | 30 | 6.3462  | 14.4231 | 11.615385 | 1.8662697      |
| Executive Management          | 30 | 5.0000  | 14.1667 | 10.499889 | 2.2593612      |
| Technical Ability             | 30 | 4.00    | 10.00   | 7.7667    | 1.88795        |
| ROE                           | 30 | -7.15   | 145.00  | 22.8733   | 37.46634       |
| EPS                           | 30 | -.01    | 1609.00 | 469.9596  | 439.39093      |
| Stock Return                  | 30 | -.30061 | 2.40800 | .3509113  | .85345152      |
| Valid N (listwise)            | 30 |         |         |           |                |

Based on Table 3, the lowest proportion of shareholders is 15.7143, while the highest proportion is 26.4286. The standard deviation value of 2.9732406 is smaller than the average value of 21.704762, which means that the shareholder has a low deviation rate so that the data variation is small and accurate. The lowest value of transparency is 14.2105, while the highest value is 28.4211. The standard deviation value is 3.9663031, which is smaller than the average value of 22.89486, which means that transparency has a low level of deviation so that the data variation is small and accurate. The lowest score for the Board of Directors is 6.3462, while the highest score is 14.4231. The standard deviation value, which is 1.8662697, is smaller than the average value of 11.615385, which means that the Board of Directors has a low deviation rate so that the data variation is small and accurate.

The lowest score for Executive Management is 5, while the highest score is 14.1667. The standard deviation value is 2.2593612, which is smaller than the average value of 10.499889, which means that Executive Management has a low deviation rate so that the variation in the data is small and accurate. The lowest value of Technical Ability is 4, while the highest value is 10. The standard deviation value of 1.88795 is smaller than the average value of 7.7667, which means that Technical Ability has a low deviation rate so that the data variation is small and becomes accurate.

The lowest value of ROE is -7.15, while the highest value is 145. The standard deviation value is 37.46634, greater than the average value of 22.8733, which means that ROE has a relatively high level of deviation, so the data variation is quite big.

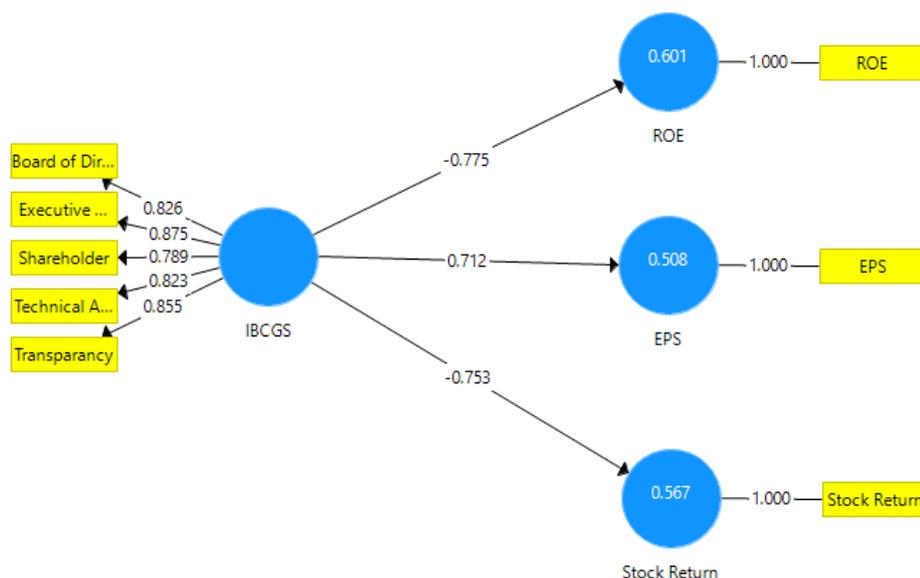
The lowest value of EPS is -0.01, while the highest value is 1609. The standard deviation value of 439.39093 is smaller than the average value of 469.9596, which means that EPS has a low deviation rate so that the data variation is small and be accurate.

The lowest value of Stock Return is -0.30061, while the highest value is 2.40800. The standard deviation value is 0.85345152, which is greater than the average value of 0.3509113, which means that Stock Return has a relatively high level of deviation, so the variation in the data is quite large.

**A. Evaluation of Measurement Model Test (Outer Model)**

The independent variable IBCGS (X) in this study was measured using five indicators: Shareholder, Transparency, Board of directors, Executive Management, and Technical Ability. In comparison, the dependent variable in this study consists of 3 variables, namely ROE (Y1), EPS (Y2), and Stock Return (Y3) as measured by formative indicators. The results of the outer loading indicators of the research variables can be seen in Figure 1 below:

**Figure 1 Outer Model PLS**



Source: *SmartPLS Output*

Figure 1 above shows the IBCGS (X) construct/variable as measured by five indicators: Shareholder, Transparency, Board of Director, Executive Management, and Technical Ability. The construct/variable ROE (Y1) is measured by one indicator. The EPS construct/variable (Y3) was measured by one indicator. The construct/variable Stock Return (Y3) is measured by one indicator. The direction of the arrow between the dimensions and the latent construct is towards the dimension, which indicates that this study uses a reflective dimension and a relatively appropriate dimension to measure perception. Arrows between constructs represent the relationship to be studied (hypothesis).

**1. Convergent Validity**

Convergent validity testing is to calculate each construct indicator which is calculated by PLS (Partial Least Square). According to Ghozali (2014), an indicator is said to have good validity if its value is greater than 0.70 and while the outer loading value of 0.50 to 0.60 is considered sufficient. Based on this criterion, if there is an outer loading below 0.50, it will be discarded or dropped from the model. The results of the convergent validity test with the outer loading value are shown in the table as follows:

**Table 4. Outer Loading Result (Convergent Validity)**

| Variable             | EPS   | IBCGS | ROE   | Stock Return |
|----------------------|-------|-------|-------|--------------|
| Board of Director    |       | 0.826 |       |              |
| EPS                  | 1.000 |       |       |              |
| Executive Management |       | 0.875 |       |              |
| ROE                  |       |       | 1.000 |              |
| Shareholder          |       | 0.789 |       |              |
| Stock Return         |       |       |       | 1.000        |
| Technical Ability    |       | 0.823 |       |              |
| Transparency         |       | 0.855 |       |              |

Source: *SmartPLS Output*

Based on the results of the convergent validity test, the outer loading value of 5 indicators on the IBCGS variable (X), one indicator of the ROE variable (Y1), nine indicators of the EPS variable (Y2), and one indicator of the Stock Return variable (Y3) is greater than 0,70. This shows that all indicators used in this study are said to have good convergent validity.

**2. Discriminant Validity**

Discriminant validity is a measurement model with indicator reflections that are assessed based on cross-loading measurements with constructs. An indicator can be declared valid if it has the highest loading factor for the construct to be addressed, compared with the loading factor on other constructs. This shows that the latent construct predicts indicators in their block better than indicators in other blocks. The following are the results of the discriminant validity test seen from the cross-loading value. The results of the estimated cross loading in the table above show that each indicator's loading value on its construct is from the cross-loading value. With that, it can be concluded that all constructs or latent variables have met discriminant validity better than indicators in other blocks.

**Table 5. Nilai Cross Loading (Discriminant Validity)**

|                          | EPS   | IBCGS        | ROE    | Stock Return |
|--------------------------|-------|--------------|--------|--------------|
| <b>Board of Director</b> | 0.480 | <b>0.826</b> | -0.502 | -0.548       |

|                             |              |              |              |              |
|-----------------------------|--------------|--------------|--------------|--------------|
| <b>EPS</b>                  | <b>1.000</b> | 0.712        | -0.581       | -0.600       |
| <b>Executive Management</b> | 0.489        | <b>0.875</b> | -0.530       | -0.615       |
| <b>ROE</b>                  | -0.581       | -0.775       | <b>1.000</b> | 0.842        |
| <b>Shareholder</b>          | 0.868        | <b>0.789</b> | -0.792       | -0.795       |
| <b>Stock Return</b>         | -0.600       | -0.753       | 0.842        | <b>1.000</b> |
| <b>Technical Ability</b>    | 0.443        | <b>0.823</b> | -0.675       | -0.577       |
| <b>Transparency</b>         | 0.539        | <b>0.855</b> | -0.632       | -0.506       |

Source: *SmartPLS Output*

Another method to assess discriminant validity is to compare the value of the square root of average variance extracted (AVE) on each construct with the correlation between the construct and other constructs in the model, so it can be said to have a good discriminant validity value.

**Table 6. AVE (Average Variance Extracted) Value**

| Variable            | Average Variance Extracted (AVE) |
|---------------------|----------------------------------|
| <b>EPS</b>          | <b>1.000</b>                     |
| <b>IBCGS</b>        | <b>0.696</b>                     |
| <b>ROE</b>          | <b>1.000</b>                     |
| <b>Stock Return</b> | <b>1.000</b>                     |

Source: *SmartPLS Output*

Based on the test results of the measurement model in the table above, it can be explained that each variable has an average variance extracted (AVE) value greater than 0.5 (AVE > 0.5). Based on the test results above, it can be concluded that there is no convergent validity problem in the model being tested.

**Table 7. Squareroot AVE and Variable Correlation (Fornell-Larcker Criterion)**

| Variable            | EPS    | IBCGS  | ROE   | Stock Return |
|---------------------|--------|--------|-------|--------------|
| <b>EPS</b>          | 1.000  |        |       |              |
| <b>IBCGS</b>        | 0.712  | 0.834  |       |              |
| <b>ROE</b>          | -0.581 | -0.775 | 1.000 |              |
| <b>Stock Return</b> | -0.600 | -0.753 | 0.842 | 1.000        |

Sumber: *Output SmartPLS*

Based on the table above, it can be concluded that the root value of AVE (Average Variance Extracted) as seen from the Fornell-Larcker Criterion for each construct is greater than the correlation between one construct and the other constructs in the model. From the AVE value, the construct in the estimated model meets the discriminant validity criteria.

### 3. Cronbach Alpha and Composite Reliability

Composite reliability is the part used to test the indicator reliability value on a variable. A variable can be declared to meet composite reliability if it has a composite reliability value greater than 0.6. In addition, the reliability test with composite reliability can be strengthened by using the Cronbach alpha value. A variable can be said to be reliable if it has a Cronbach alpha value greater than 0.70. The following is the value of composite reliability and Cronbach alpha for each variable.

**Table 8. Composite Reliability and Cronbach Alpha Value**

| Variable     | Cronbach's Alpha | Composite Reliability |
|--------------|------------------|-----------------------|
| EPS          | 1.000            | 1.000                 |
| IBCGS        | 0.892            | 0.920                 |
| ROE          | 1.000            | 1.000                 |
| Stock Return | 1.000            | 1.000                 |

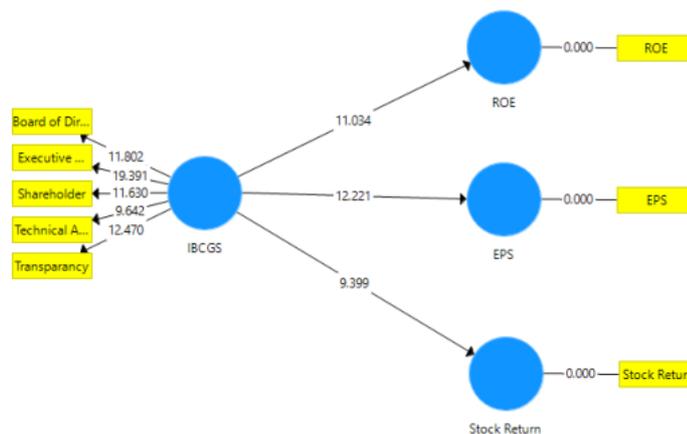
Source: *SmartPLS Output*

Based on the results of the data presented in the table above, the variables IBCGS (X), ROE (Y1), EPS (Y2), and Stock Return (Y3) have Cronbach alpha values greater than 0.70 and composite reliability values for all variables is greater than 0.60. These results indicate that each variable has met Cronbach's alpha and composite reliability so that it can be concluded that all variables have a high level of reliability.

**A. Evaluation of Structural Model Test or Inner Model**

The structural model in PLS is evaluated using R<sup>2</sup> for the dependent variable and the path coefficient value for the independent variable, which is then assessed with the significance level. The structural model in this study can be seen in the following figure:

**Figure 2. Inner Model PLS**



Source: *Output SmartPLS*

### 1. R-Square (R<sup>2</sup>) Value

The R-Square value is a goodness-fit model test. The second test can be seen from the R-Square results for endogenous latent variables of 0.67, 0.33, and 0.19 in the structural model, indicating that the model is "good", "moderate", and "weak". The following table is the result of the estimated value of R Square (R2) using SmartPLS:

**Table 9. R-Square (R<sup>2</sup>)**

| Dependent Variable | R Square |
|--------------------|----------|
| EPS                | 0.508    |
| ROE                | 0.601    |
| Stock Return       | 0.567    |

Source: *SmartPLS Output*

Based on the results, the value of R Square (R2) on the ROE variable (Y1) is 0.601. This value indicates that the ROE variable (Y1) variation can be explained by the IBCGS variable (X) of 60.1%, while other factors outside the study can explain the remaining 39.1%.

The value of R Square (R2) on the EPS variable (Y2) is 0.508. This value indicates that the EPS variable (Y2) variation can be explained by the IBCGS variable (X) of 50.8%, while other factors outside the study can explain the remaining 49.2%.

The value of R Square (R2) on the Stock Return (Y2) variable is 0.567. This value indicates that the variation of the Stock Return (Y3) variable can be explained by the IBCGS variable (X) by 56.7%, while other factors outside the study can explain the remaining 43.3%.

Based on the value of R Square (R2) on the three dependent variables, it can be concluded that this study has an excellent structural model or model fit (goodness-fit model test is met).

### 2. Hypothesis Testing

The estimated value for the relationship between the paths in the structural model should be significant. The bootstrapping procedure obtained this significant value. Seeing the significance of the hypothesis by looking at the value of the parameter coefficients and t-statistics in the bootstrapping report algorithm and the significance value of t-statistics. If the t-statistic value is greater than the t-table value, it means that the hypothesis is supported. For the 95% confidence level ( $\alpha = 5\%$ ), then the t-table value is  $> 1.96$ , so if the t-statistic value is  $> 1.96$  then the research hypothesis is proven/accepted. The results of testing the hypothesis with the bootstrapping procedure can be seen in the table below:

**Table 10. Bootstrapping Result**

|  | Original Sample (O) | Sample Mean (M) | Standard Deviation (STDEV) | T Statistics (IO/STDEV) | P Values |
|--|---------------------|-----------------|----------------------------|-------------------------|----------|
|  |                     |                 |                            |                         |          |

|                                 |        |        |       |        |              |
|---------------------------------|--------|--------|-------|--------|--------------|
| <b>IBCGS -&gt; EPS</b>          | 0.712  | 0.728  | 0.058 | 12.221 | <b>0.000</b> |
| <b>IBCGS -&gt; ROE</b>          | -0.775 | -0.782 | 0.070 | 11.034 | <b>0.000</b> |
| <b>IBCGS -&gt; Stock Return</b> | -0.753 | -0.758 | 0.080 | 9.399  | <b>0.000</b> |

Sumber: Output SmartPLS

The effect of IBCGS (X) on ROE (Y1) is -0.775 and has a negative value, with a t-statistic value of 11.034 and a probability value (P-Value) of 0.000. Because the t-statistic value is greater than the t-table ( $11.034 > 1.96$ ) and the probability value is smaller than 0.05 ( $0.000 < 0.05$ ), it can be concluded that IBCGS (X) has a significant effect on ROE (Y1). The results of this study support the research of Sami et al. (2011), and Garay et al. (2013) stated that there is a positive relationship between the corporate governance index and company performance which is represented by the value of ROA and ROE.

While the effect of IBCGS (X) on EPS (Y2) is 0.712 and is positive, with a t-statistic value of 12.221 and a probability value (P-Value) of 0.000. Because the t-statistic value is greater than t-table ( $12,221 > 1.96$ ) and the probability value is less than 0.05 ( $0.000 < 0.05$ ), it can be concluded that IBCGS (X) has a significant effect on EPS (Y2) . The effect of IBCGS (X) on Stock Return (Y3) is -0.753 and has a negative value, with a t-statistic value of 9.399 and a probability value (P-Value) of 0.000. Because the t-statistic value is greater than the t-table ( $9.2399 > 1.96$ ) and the probability value is less than 0.05 ( $0.000 < 0.05$ ), it can be concluded that IBCGS (X) has a significant effect on Stock Return (Y3). This study also supports the research results on the positive correlation of corporate governance towards increasing market value and is presented with high earnings per share (Balasubramanian et al., 2010; Braga-Alves and Shastri, 2011; Li et al., 2012).

**CONCLUSION**

Based on this study's results, most of sharia companies that indexed in Jakarta Islamic Index has good corporate governance. There is a positive influence of IBCGS elements on shareholder trust. The elements of IBCGS that have the strongest influence on ROE, EPS and stock returns are executive management and transparency. This shows that transparency procedures such as disclosure of information are audited internally and internally; time for storing information/financial reports on the company website; Internal validation procedures for information on the company's website have a positive effect on the company's return on equity because transparent governance enables the achievement of company performance targets and profit-oriented financial accountability. Executive management elements such as the quality of internal management, the audit committee responsible to the committee board, disclosure of the background of expertise and composition of the board of commissioners, stock incentive plans, reports from the board of commissioners demonstrate professionalism and the disclosure of key performance indicators which are benchmarks for the success of the executive board in managing the company. Governance also has a positive effect on profitability and company performance in general.

The results of this study are expected to provide a theoretical contribution to the development of research on the measurement of corporate governance based on online and open source. Meanwhile, the practical contribution is to Shariah companies listed on the shariah stock exchange to use IBCGS as an indicator and guide in measuring corporate governance in their companies as a form of fathonah and trustee attitudes that are the basis for Sharia-based financial management. The limitation of this study is that the research period is only one year so that further research is recommended to use a broader research period to facilitate the comparison of results between time and more general results. In addition, further research can also use more diverse performance indicator variables such as company value-added, ROA, asset turnover or solvency ratios.

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