The Influence of Firm’s Characteristics on the Level of Intellectual Capital Disclosure of Indonesian Islamic Banking

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Abstract—The purpose of this research is to analyze the effect of firm size, profitability, leverage, firm age, ownership of the company, and the type of Islamic banking for the intellectual capital disclosure. This research used 34 annual reports of Islamic Bank (IB) and Sharia Business Unit (SBU) registered to the Financial Services Authority in 2015. Samples were selected by purposive sampling method. This research used multiple linier regression analysis. The result showed that the type of Islamic banking affects the intellectual capital disclosure. IB has its own annual report so that the information disclosed is more than the SBU that the report contained in the annual report of a conventional bank.

Keywords: firm’s characteristics, intellectual capital, intellectual capital disclosure, Islamic banking

I. INTRODUCTION

The last few decades, these companies are required to be able to meet the needs of users of information. The company strives to meet that by making the activities that occur within the company. Disclosure of the company can be divided into mandatory disclosure and voluntary disclosure. Much of the information that may be disclosed voluntarily, one of them is the intellectual capital. IC has played an increasingly important role in creating a sustainable competitive advantage for the company [1]. According to Ulum [2], intellectual capital disclosure in the annual report of the company has become an interesting theme, because intellectual capital is believed to be the driving factor and creator of enterprise value (value drivers & creation).

Mouritsen, Larsen [3] stated that IC disclosure in the financial statements in a way of disclosing that the report describes the credible, integrated (cohesive) as well as "true and fair" company activities. Bukh, Larsen [4] states that the IC report in practice contains financial and non-financial information as diverse as employee turnover, job satisfaction, in-service training, customer satisfaction, accuracy of supply, and so on.

The effect of firm’s characteristics on the level of intellectual capital disclosure has been proven empirically by Julindra and Susanto [5]. Firm’s characteristic are projected by firm size, leverage, profitability, and listing age, the results indicated that all the independent variables are significantly affecting the intellectual capital disclosures. Suhardjanto and Wardhani [6] proved also that its characteristics can affect the performance of the companies listed in the Indonesia Stock Exchange. In addition, this study also proves information gap that still occur.

Indonesia's banking sector is growing rapidly and its presence is very important in the process of developing the country's economic. Sharia-based banking is also arising and growing rapidly along with the situation of Indonesia as a Moslem predominant nation. There are three types of Islamic banking in Indonesia, Islamic Banks (IB), Sharia Business Unit (SBU), and Sharia People Finance Bank (SPFB). Until July 2016, there were 12 institutions of Islamic banks in Indonesia. Meanwhile, commercial bank which has had a business unit of Sharia are 22 banks and there are 16 SPFB in Indonesia [7].

Based on the phenomena above, we are interested in studying the effect of the characteristics of companies consisting of company size, profitability, leverage, firm age, ownership of the company, and the type of Islamic banking on the intellectual capital disclosure of Islamic banking in Indonesia. The reason in selecting sharia-based banking sector is because, according to Firer and Williams [8], the banking industry is one of the most intensive sectors of its IC.

This research used the components of intellectual capital (IC) that are grouped into three categories consisting of 36 items in question consists of: 8 items of human capital; 15 items of structural capital; and 13 items of relational capital [9].

Brooking [10] stated that the IC is the term given to a combination of intangible assets of markets, intellectual property, employees, and infrastructure that enables enterprises to be able to function. This definition clearly implied that IC is not just about human resources/human capital. Human capital is only one component of IC. Table 1 summarizes some of the constructs and definitions of IC offered by scholars [11]:

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Bukh, Nielsen [21] identified that the life of companies typically used in previous studies as a proxy for the risk. From this perspective, it is expected that new companies with little experience will have more confidence in non-financial disclosures. White, Lee [22] found a significant relationship between age of firm and the breadth of IC disclosure in the annual report of the company. Recently, Ulum, Septerina [23] found that intellectual capital disclosure level enhance organizational governance.

Ownership in Islamic banking is divided into two, namely the ownership of State-Owned-Enterprises/Local-Government-Owned-Enterprises and non-State-Owned-Enterprises. Islamic Bank Unit and Sharia Business Unit that is owned by the State-Owned-Enterprises/Local-Government-Owned-Enterprises will reveal its intellectual capital not only to customers, but also showing its accountability to the state and local levels so that the intellectual capital disclosed is higher than the Islamic banking that is not owned by the State-Owned-Enterprises/Local-Government-Owned-Enterprises. The work of Anggraini [24] indicated that the corporate social disclosure level is affected by the percentage of management ownership.

Based on the phenomena above, the objective of study is the examine of effect of the companies characteristics that consisting of company size, profitability, leverage, firm age, ownership of the company, and the type of Islamic banking on the intellectual capital disclosure of Islamic banking in Indonesia.

### II. METHODS

This research is associative research with taking an object of Islamic banking listed in the Financial Services Authority (FSA). The data was obtained through the official website of Islamic banks and Islamic business unit in 2015 with technical documentation. Sampling was done by using purposive sampling method, the criteria used are: (1) Islamic Banking is not a SPFB (2) Islamic Banks and Sharia Business Units which provide financial report in 2015, (3) publishing its annual report in 2015, and (4) data can be accessed. Based on these criteria, a total sample of 34 companies were obtained.

### TABLE II. OPERATIONAL DEFINITION AND MEASUREMENT OF VARIABLES

<table>
<thead>
<tr>
<th>No</th>
<th>Variable</th>
<th>Definition</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Independent: Firm Size</td>
<td>Total assets as a proxy for the company size</td>
<td>Size = Total asset</td>
</tr>
<tr>
<td>2</td>
<td>Independent: Profitability</td>
<td>Basic of return on assets level</td>
<td>ROA = Net profit after tax / total assets</td>
</tr>
<tr>
<td>3</td>
<td>Independent: Leverage</td>
<td>Amounts of money that insured against debt</td>
<td>DER = Total liabilities / equity</td>
</tr>
<tr>
<td>4</td>
<td>Independent: Firm Age</td>
<td>Age of the company since registered until December 31, 2015</td>
<td>Age of enterprise = December 2015 - (month Year) the registered companies</td>
</tr>
<tr>
<td>5</td>
<td>Independent: Ownership of the Company</td>
<td>Ownership of State owned enterprises / local government owned enterprises and not State owned enterprises / local government owned enterprises</td>
<td>0 = Ownership of State owned enterprises / local government owned enterprises</td>
</tr>
<tr>
<td>6</td>
<td>Independent: the type of Islamic Banking</td>
<td>Islamic Banks and Sharia Business Unit</td>
<td>1 = Ownership not State owned enterprises / local government owned enterprises</td>
</tr>
<tr>
<td>7</td>
<td>Independent: Intellectual Capital Disclosure</td>
<td>Total disclosure of information about the IC that is presented in the company's annual report</td>
<td>ICD-In constructed by Ulum [25]</td>
</tr>
</tbody>
</table>

Multiple regression is used to perform data analysis based on the SPSS application. Content Analysis. Content analysis was conducted to identify the intellectual capital disclosures (ICD) at the company's annual report. ICD is the amount of disclosure of information about the IC that is presented in the company's annual report. IC information disclosure in the annual report is weighted according to the projections. Numeric codes used are as follows [26]:

- 0 = item are not disclosed
- 1 = item disclosed in narrative form
Profitability generates values tcount 1,590 and the Sig. 0.123. The test results obtained by the Sig. > 0.05 indicated that profitability has no significant effect on the intellectual capital disclosure (ICD). The results of this study are not consistent with the research of Suhardjanto and Wardhani [6], Oktavianti [29], and Julindra and Susanto [5] which affect the profitability of the disclosure of intellectual capital. This could be because when the profitability of Islamic banking is growing and financial capabilities are rising but are not used to fund the disclosure of intellectual information and may be used for other purposes.

Leverage generate value tcount at -0.549 and the Sig. 0.587. The test results obtained by the Sig. > 0.05 indicated that leverage has no significant effect on the intellectual capital disclosure (ICD). The results are consistent with the research of Suhardjanto and Wardhani [6], Nugroho [28], and Oktavianti [29]. This can be due to Islamic banking with a high degree of leverage that is not in line with the intellectual capital that is exposed. It is because the company wants to maintain the image, good name and reputation of the company that are not optimal in the management of the leverage ratio, so that those are not widely known by external parties.

Firm age generate value tcount at -0.769 and the Sig. 0.449. The test results obtained by the Sig. > 0.05 indicated that firm age has no significant effect on the intellectual capital disclosure (ICD). The results are consistent with the research of Suhardjanto and Wardhani [6], Nugroho [28], and Oktavianti [29] This could be due to the high age Islamic banking does not always mean the experience and understanding of the intellectual capital disclosure is better, also the newly established Islamic banking but owned by commercial banks, which had stood for a long time could affect the disclosure of intellectual capital of Islamic banks and Islamic unit.

Ownership of the Company produce value tcount at -0.465 and the Sig. 0.645. The test results obtained by the Sig. > 0.05 indicated that ownership of the company has no significant effect on the intellectual capital disclosure (ICD). This study results prove that not all Islamic banking which is owned by the state owned enterprises / local government owned enterprises reveal much information about intellectual capital and intellectual capital information as a responsibility to the country or region. The results of the study mean that not all Islamic banking that is not owned by the state owned enterprises/local government owned enterprises revealed little information about intellectual capital. It is because the state owned enterprises/local government enterprises are likely to have valuable resources and rarely disclosed those in the annual report as competitive advantage that they have in order to be able to create additional values for the company that does not own Islamic banking that.

The type of Islamic banking produces a value as much as -3.640 tcount and the Sig. 0.001. The test results obtained by the Sig. <0.05 indicated that the type of Islamic banking have a significant effect on the intellectual capital disclosure (ICD). These research results indicated an average of Islamic Banks disclosed more information intellectual capital, that is 66.9% higher than the Islamic business unit, which only scored
39.4%. This is because the Islamic Banks (IB) has its own annual report so that any information can be disclosed including intellectual capital as much as possible. RBT theory based on valuable, rare, inimitable resource of company, and there is no replacement resources that will be disclosed by the company to create a competitive advantage.

Stakeholder theory based on the management should conduct and report the activities that occur within the company to their stakeholders that are appropriate or exceed the expectations of stakeholders. While the annual report of Sharia Business Unit (SBU) is contained in the consolidated annual report of conventional commercial bank. It is because it is a business unit of the conventional commercial bank, so that there will be not too much disclosure because the annual report contains more information about Sharia Business Unit and a little information about Sharia Business Unit. Therefore, it cannot report any activity beyond what is expected by stakeholders, the possibility occurs is the activity disclosed to be more conventional commercial bank activity in general.

The results of simultaneous significance test (the test statistic F) can be obtained F-count as much as 6.238 and a significant value as 0.000. The test results obtained by the Sig. <0.05 indicated that the regression model in this study is true.

IV. CONCLUSION

The awareness of Islamic banking upon the intellectual capital disclosure (ICD) is low, where there are half of the items were not disclosed by the Islamic banking and there are four items that are not disclosed in the annual report of every Islamic bank. Islamic banks are revealing intellectual capital more compared to Islamic business units.

Furthermore, after the hypothesis test in this study indicated that company size, profitability, leverage, firm age, and ownership of the company does not have a significant effect on the intellectual capital disclosure. Yet, types of Islamic bank has a significant effect on the intellectual capital disclosure (ICD). F Statistical test results showed that the regression model in this study is true.

REFERENCES


