Open Menu

Innovative Journal of Business and Management

Innovative Journal of Business and Management

- Home
- Current
- Archives
- Submit Manuscript
- Announcements
- About
 - About the Journal
 - Submissions
 - Editorial Team
 - Contact

Search

- Register
- <u>Login</u>

Skip to main content Skip to main navigation menu Skip to site footer

Open Menu

Innovative Journal of Business and Management

- Home
- Current
- Archives
- Submit Manuscript
- Announcements
- About
 - About the Journal
 - Submissions
 - Editorial Team
 - Contact

Search

- Register
- <u>Login</u>
- 1. <u>Home</u> /
- 2. Editorial Team

Editorial Team

EDITORIAL BOARD

Editor In chief

Santosh Dutt

Email: ijbmeditor2011@gmail.com

ADVISORY BOARD

PRASANTA KUMAR PADHY,

Professor & Chairman-Board of Studies, Department of Business Admn., Berhampur University-760 007, India.

Viraj Phanse

Product Management, Go-To-Market, Business Strategy United States

PROF. P.MALYADRI

Principal, Government Degree College, Osmania University, Andhra Pradesh, India.

IZAH MOHD TAHIR

Associate Professor Banking, University Sultan Zainal AbidinGong Badak Campus, 21300 Kuala Terengganu, Terengganu, Malaysia.

IONEL BOSTAN,

Professor DHC, Doctor in Economics and Doctor in Law, Al. I. Cuza University/ Economics Faculty, Iasi - ROMANIA

PROFESSOR NAWAB ALI KHAN

Department of Human Resource Management, College of Business Administration, Salman Bin Abdulaziz University, Post Box:165, Al- Kharj - 11942, Kingdom of Saudi Arabia

Dr. NASSER FEGH-HI FARAHMAND

Department of Industrial Management, Tabriz Branch, Islamic Azad University, Tabriz, Iran

Dr. V. VIJAY DURGA PRASAD

Professor and Head, Department of Management Studies, PSCMR College of Engineering and Technology, Vijayawada – 520 001. Andhra Pradesh. India.

ADEOYE, SOLOMON OLUSEGUN, PhD, MPhil, MBA,HND,ND, MNIM

BABCOCK UNIVERSITY ILISHAN-REMO, OGUN STATE, Nigeria

	Make Submission	>			
	Author Guideline				
샹.	Editorial Board				
<u>_</u>	Database and indexing				
	Sign up for content alerts				
			<u>Sign up</u>		

Platform & workflow by OJS / PKP

Innovative Journal of Business and Management					
• Home					
• <u>Current</u>					
 <u>Archives</u> <u>Submit Manuscript</u> 					
• Announcements					
 About About the Journal 					
• Submissions					
• Editorial Team					
• Contact					
<u>Search</u>					
• Register					
• <u>Login</u>					
1. <u>Home</u> /					
2. <u>Archives</u> /					
3. Vol. 8 No. 7 (2019): Innovative Journal of Business and Management					
Vol. 8 No. 7 (2019): Innovative Journal of Business and Management					
DOI: https://doi.org/10.15520/ijbm.v8i7 Published: 2019-07-05					
Articles					
*					
Viraj Ramesh Phanse 101-109					
• PDF					
• Workplace-Terrorism and Workers' Role Disengagement in Selected Private Universities in South-West, Nigeria					
Dr. Adeoye, Solomon O.*, Prof. Egwakhe, Johnson A., Dr. Egbuta, Olive. U 110-125 • <u>PDF</u>					
. THE FEFECT OF COMPETIVE STRATECIES AND DUSSINESS ENVIRONMENT ON THE DEDECOMANCE OF CONSTRUCTION INDUSTRIAL					
• THE EFFECT OF COMPETIVE STRATEGIES AND BUSSINESS ENVIRONMENT ON THE PERFORMANCE OF CONSTRUCTION INDUSTRIAL SERVICES WITH THE MODERATION OF ORGANIZATIONAL CHARACTERISTICS					
Muji Indarwanto*, Prof. Syamsir Abduh, PhD 126-134					
o <u>PDF</u>					
• Intellectual Capital Determinant and Company's Values					
VIDVADTO NI ICDOLIO					
VIDYARTO NUGROHO 135-152					
o <u>PDF</u>					
Make Submission >					
Author Guideline					
S Editorial Board					
Database and indexing					
Sign up for content alerts					
<u>Sign up</u>					

Platform & workflow by OJS/PKP

Skip to main content Skip to main navigation menu Skip to site footer

Open Menu



Contents lists available at www.innovativejournal.in

INNOVATIVE JOURNAL OF BUSINESS AND MANAGEMENT

Available online at

http://www.innovativejournal.in/index.php/ijbm



Intellectual Capital Determinant and Company's Values

(Case Study on Registered Banking Companies in Indonesia Stock Exchange)

VIDYARTO NUGROHO*

Lecturer in the Economics Faculty of Tarumanagara University

Abstract: This research will analyze intellectual capital's influence towards company's competitive advantage, intellectual capital and competitive advantage's influences toward company's performance, company's competitive advantage and performance's influences toward company's values, and mediation of intellectual capital's influence toward company's performance through competitive advantage. Explanatory research with quantitative approach is used to understand the intellectual capital's influence on company's competitive advantage and performance as well as its impact towards company's values. This research will test the hypotheses using statistical path analysis and panel data regression. 43 banking companies registered in Indonesia Stock Exchange by 2017 are considered as the research population from which will be taken 37 suitable banks as sample. The results of this research show (1) Value added capital employed (VACA) and structural capital value added (STVA) are not influential toward competitive advantage. Value added human capital (VAHU) is influential towards competitive advantage; (2) VACA, STVA, and VAHU are influential toward company's performance; (3) competitive advantage is not influential toward company's value, whereas company's performance is influential toward company's values; and (4) VAHU, VACA, and STVA are indirectly influential toward company's performance through competitive advantage is not supported due to path Y1 to Y2 is not significant. This brief explanation leads to a conclusion that competitive advantage is not able to mediate intellectual capital's influence towards company's performance. This research may confirm that value added human capital (VAHU), as one of the intellectual capital indicators, needs to be increased in order to ameliorate banking company's competitive advantage and performance. The active involvement of shareholders is significant to support the company's commitment and boost its performance to survive in any condition and increase company's values to attract more investors.

Keywords: Intellectual Capital, Competitive Advantage, Company's Performance, Company's Values

INTRODUCTION:

Banking company's performance is still not showing a solid improvement. Banking credit only reached IDR 4,491 trillion in June 2017 the growth is declining 97 bps compared to the annual growth the previous month become 7.75% year on year. The declining of Indonesian Central Bank (Bank Indonesia) benchmark interest rate in August 2017 to 4.5% is giving a positive sentiment to financial industry which is still overshadowed by the uncertainty of global economic condition. According to banking data until June 2017, banking company's performance is still not showing a consistent improvement. Evaluating such condition, Bank Indonesia later implemented an international standard risk management practice to create a comprehensive banking system. There are five risk management principles adopted by Bank Indonesia; objective, measured, integrated, dynamic, and provide added value

The importance of having intellectual capital is in line with resource-based view theory which stated that company's internal capability to maintain company's resources is significant and necessary for the company to be able achieving competitive advantage despite tough competitions in its surroundings. If a company has

a good capability, it is guaranteed that company's resource management will be better and in near future, company can achieve its competitive advantage (Mulyono, 2013). Resource-based theory provides an understanding that intellectual capital is a unique resource for the company to boost its competitive advantage and create values for company to conduct and implement strategy to improve its performance. The relations between intellectual capital and competitive advantage further explained by Khan, et al (2018) that intellectual capital has positive impact towards competitive advantage. Pratama and Achmad (2015) also argued that competitive advantage has a role to mediate the relations between intellectual capital and company's performance (ROA).

A better company's performance, which is influenced by intellectual capital, can be assessed from company's greater profitability. Even though in the beginning of this research it is argued that banking company is still not showing any solid performance improvement and is overshadowed by the uncertainty of global economic condition, in fact banking company shows improvement in profitability throughout 2016-2017 after facing a decreasing profit in 2015. This proofs that banking company has intellectual capital which creates added value to be more competitive and show good performance. Table 1 below shows the banking industry profitability improvement:

The increasing banking company's profitability on the table above proves that banking company has improved their performances and they were able creating added value to be more competitive despite global economic uncertainties. The banking company's ability in surviving amid the uncertainties of global economic condition leads this research to assess intellectual capital's influence towards banking company's competitive advantage and performance shown by profitability (ROA). Previously, Belkoui (2003) analyzed intellectual capital of multinational companies in the U.S. which resulted to prove that intellectual capital has positive impact towards company's performance. A research by Tudor, et al (2014), which compared intangible assets to ratio total assets and other profitability measurements such as Return Assets (ROA), also resulted that intangible assets have direct relations with profitability. Gaining competitive advantage and an ability to maintain profitability are company's goal. This goal also includes maximizing company's assets and values which able to increase the shares among shareholders (Sucuahi and Cambarihan, 2016).

Based on above explanation, intellectual capital can influence company's competitive advantage, performance, and value. A study about intellectual capital and its positive impacts for banking company is becoming more interesting to analyze following the fact that despite global economic competition and uncertainties, banking companies can still maintain their profitability which may have strong relations with intellectual capital they have. This research will study the title "Intellectual Capital Determinant towards Company's Competitive Advantage and Performance and its Impact on Company's Values (Case Study on Registered Banking Companies in Indonesia Stock Exchange)" and answer the questions about 1) whether intellectual capital influences company's performance and competitive advantage and 2) whether company's performance and competitive advantage influence the company's values.

A. Research Purpose

Along with proposed research question of this paper, therefore the purposes of this research are:

- 1. To analyze the impact of intellectual capital towards competitive advantage of registered banking companies in Indonesia Stock Exchange.
- 2. To analyze the impact of intellectual capital and competitive advantage towards the performance of registered banking companies in Indonesia Stock Exchange.

- 3. To analyze the impact of company's competitive advantage and performance toward the value of registered banking companies in Indonesia Stock Exchange.
- 4. To analyze indirect impact of intellectual capital towards company's performance through competitive advantage.

B. Theoretical Framework and Hypotheses

Intellectual Capital

Stewart (1997) explained that intellectual capital is a formalized intellectual or ability which is useful to produce other valuable assets. Intellectual capital to a company may include, among others, human capital, perspective, information, data, knowledge, explicit and hidden skills, as well as policies. Stewart argued that intellectual capital is divided into three parts, (1) human capital aspect which includes skills, ability, knowledge, and business performance of employees, (2) structural capital aspect includes skill, ability, knowledge, and business performance of a company, and (3) customer capital aspect which includes consumers, suppliers, and government.

To implement the theory and see company's intellectual capital, this research adopts VAIC method by Pulic (1998). VAIC method was designated to provide various information for the company about value creation efficiency through tangible and intangible assets. VAIC explains the way a company creates value added which is gained by calculating the difference between output and input. Outputs are including revenue and all company's products and/or services in the market. Whereas inputs are including all expenditures cost to gain income, excluding costs related to employees. On the other hand, employees are acknowledged as one of the entities of value creating process. Value added created by a company highly is influenced by the efficiency of Human Capital (HC) and Structural Capital (SC), which later will be called as VACA. VACA is considered as an indicator for value added which created by a unit of physical capital (Pulic, 1998).

Pulic (1988) later explained that knowledge-based economic is necessary to be able explaining the differences between knowledge and intellectual capital. Something can be considered as a capital for a company if it can create new value. Knowledge will not be considered as an intellectual capital if it is not transformed into actions to create value which attract market demand. In other words, intellectual capital is beyond a mere knowledge, it is a knowledge that is transformed and manifested into business actions that can bring benefits and salable in the market. In modern economy, intellectual capital is brought by employees who can create and change their knowledge on products and services to create new values. Employees, therefore, have a significant role for a company and need to be treated as valuable as physical modal and assets, since they are valuable investments for company's business operations durability based on knowledge.

VAIC from Pulic (1998) is adopted to analyze intellectual capital aspect in this research for this method is suitable to assess intellectual capital statistically. Svanadze and Kowalewska (2015) argued that VAIC is an objective method since the data used for the necessary calculation are gathered directly from company's financial report. Every company has financial report, therefore it is possible to compare one company's result with the other. Additionally, financial report as the main data resource can be verified to decide whether it is reliable or not. This method is transparent, simple, and easy to use. VAIC works well in assessing a correlation between intellectual capital and company's business performance (Svanadze and Kowalewska, 2015).

1. Value Added Capital Employed (VACA)'s Influence towards Competitive Advantage

Resource-Based Theory approach explains that a company can excel the business competition by

owning, controlling, and utilizing strategic and significant assets, both tangible and intangible. Intellectual capital is one of the strategic intangible assets owned by the company which is resourced from human capital or the values and knowledge owned by employees. Intellectual capital is strategic since it can increase the company's competitiveness. Based on the research done by Pratama and Achmad (2015), employees' value added (VACA) has a positive influence towards company's competitive advantage. Referring to the theoretical and empirical studies, this research proposes a hypothesis:

H1a: Value Added Capital Employed (VACA) is influential towards competitive advantage.

2. Value Added Human Capital (VAHU)'s Influence towards Competitive Advantage

A good company's capability defines company's performance, which is determined by resources owned by the company. If the company owns and manages good resources, it is likely to boost company's capability and performance to gain competitive advantage (Mulyono, 2013). In business, abilities, skills, and capacity owned by individuals, or popularly known as human capital, are also considered as important resources to business productivity. A research by Pratama and Achmad (2015) proved that value added human capital (VAHU) has a positive influence towards company's competitive advantage. Based on theoretical and empirical studies, this research proposes a hypothesis:

H1b: Value Added Human Capital (VAHU) is influential towards competitive advantage.

3. Structural Capital Value Added (STVA)'s Influence towards Competitive Advantage

Empirical study by Pratama and Achmad (2015) proved that structural capital value added has a positive influence towards competitive advantage. Based on theoretical and empirical studies, this research proposes a hypothesis:

H1c: Structural Capital Value Added (STVA) is influential towards competitive advantage.

4. Value Added Capital Employed (VACA)'s Influence towards Company's Performance

Bontis, et al (2000) argued that customer capital, which consists of consumer, supplier, and government, influences company's performance. Beside customer capital, intellectual capital is also a significant aspect for the company increasing its performance. Routine evaluation for assessing the business resources, including intellectual capital and customer capital, is needed to help the managers understand the condition and status of their business resources. By understanding their resources efficiently and effectively, managers can build good relations with investors (Svanadze and Kowalewska, 2015) which then can improve their business performance. Resource-based approach argues that company's financial performance will get better if the company is able to own, control, and utilize tangible and intangible strategic assets. Therefore, a company is expected not to neglect the importance of human capital which consists of both combination, tangible asset for its individual physics of each employee and intangible asset for their skills, knowledge, and power. A good managed tangible and intangible resources can be useful to create a better company's performance to make higher profitability (Wijayani, 2017).

Referring to the empirical study done by Afandi and Riharjo (2017), value added capital employed (VACA) influences company's performance. The argument is also supported with the findings of the research done by Devi, et al (2017), that VACA is significantly influential towards company's financial performance. Based on the theoretical and empirical studies, this research proposes a hypothesis:

H2a: Value Added Capital Employed (VACA) is influential towards company's performance.

5. Value Added Human Capital (VAHU)'s Influence towards Company's Performance

IJBM, Vol 8: Issue 7, Page No: 135-152 Page 138

Human capital is argued to be a significant factor in doing business (Bontis, et al, 2000). Talking about human capital is highly correlated with intellectual capital as each individual carries skills and knowledge that are important to boost company's performance. Svanadze and Kowalewska (2015) pointed out that intellectual capital is still rarely presented in company's financial report and accounting system for it is intangible. Where in fact, intangible assets are mostly acknowledged by the investors and are one of the main considerations for company and shareholders to make strategic decisions.

Martins and Lopes (2016) conducted a research to measure European companies' profitability using ROA and provided results that show there is a strong relation between company's knowledge and company's ability to make profit. Their research found significant differences between company's profitability and values measured by including intangible assets and the result measured only by including tangible assets. Their findings support the traditional economic argument that resources owned by the company determine company's performance and profitability. In this case, resources are not limited only to the tangible ones but also intangible such as intellectual capital owned by each human individual. Based on the theoretical and empirical studies, this research proposes a hypothesis:

H2b: Value Added Human Capital (VAHU) is influential towards company's performance.

6. Structural Capital Value Added (STVA)'s Influence towards Company's Performance

Bontis, et al (2000) and Devi, et al (2017) argued that structural capital value added (has a positive impact towards company's performance. A company is expected to have organizational capacity to build a condition that support the employees to optimize intellectual capital and other resources management. It is important to have structural capital and creating favorable condition mentioned above because material and intellectual capitals are significant for company's future profitability and performance (Martins and Lopes, 2016). Based on theoretical and empirical studies, this research proposes a hypothesis:

H2c: Structural Capital Value Added (STVA) is influential towards company's performance.

7. Competitive Advantage's Influence towards Company's Performance

In order to achieve sustainable competitive advantage in the global market, a company needs to enact the competitive and differentiation strategy firmly by the decision maker (Yasar, 2010). Competitive advantage has a positive relation with company's performance (Majeed, 2011). Organizational competition pushes companies to be able creating opportunities to gain greater profit out of other organizations' activities or often called as gaining competitive advantage, which is why companies need to find new method in improving their performances.

Intellectual capital is an important aspect in supporting company's performance and gaining competitive advantage. Diva and Mitha (2014) conducted a study about intellectual capital's influence towards banking company's values on financial performance as the intervening variable, which supported the previous statement. Their research is using VAIC method by Pulic and measuring company's values with PBV. Their findings show that intellectual capital is having a positive influence towards company's market values and positive financial performance which can affect and mediate the relations between intellectual capital and company's market values.

Competitive advantage

In dynamic market, competitive advantage is significant for companies, especially the new ones. A research by Khan, et al (2018) shows that a new company tends to look for strategy and competitive skills to make sure their organization operates and sustains for a long term as well as avoiding failures.

The result shows us that competitive advantage is highly influential towards company's performance. Based on theoretical and empirical studies, this research proposes a hypothesis:

H2c: Competitive advantage is influential towards company's performance.

8. Competitive Advantage's Influence towards Company's Values

Resource-based theory explains that in order to gain competitive advantage amid tougher business competitions, a company needs to have a good capability to manage their resources well (Multono, 2013). The same thing goes to managing intellectual capital as one of the unique resources well, it can create competitive advantage and values for the company. Based on theoretical and empirical studies, this research proposes a hypothesis:

H3a: Competitive advantage is influential towards company's values.

9. Company's Performance's Influence towards Company's Values

A good company's performance, which is shown in its higher profitability, reflects that they have high company's values. Theory of the firm (1952) states that if a company wants to make higher profitability, it needs to increase its company's values. Sabrin, et al (2016) proved that profitability may affect company's values since it means bringing more profit to the company and able to pay the dividend. The ability to pay the dividend gives a positive signal from the company to the investors and increasing the stock prices.

It is the job of company's management to make sure the company creates and increases values for their shareholders. A research about value creation needs to be prioritized since it is useful to help companies in increasing their competitive advantage. From the basic notion, gathered from the researches of Diva and Mitha (2014), Repi, et al (2016), and Chen and Yu (2011), where profitability affects the company's values, it also indicates that improving company's performance can also create company's values, since company's performance can be judged by their profitability. Having good company's values can attract more investors and stakeholders to support the company's business activities. Therefore, it is important for companies to determine their values in order to attract investments (Sucuahi and Cambariha, 2016).

Based on theoretical and empirical studies, this research proposes a hypothesis:

H3b: Company's performance affects company's values.

10. Indirect Influence of Value Added Capital Employed (VACA) towards Company's Performance through Competitive Advantage

Creating values should be prioritized to be the main agenda done by company's management to help the organization achieve higher competitive advantage. Values can be created by improving company's performance. Having good company's values can attract more investors and stakeholders to support the company's business activities. Therefore, it is important for companies to determine their values in order to attract investments (Sucuahi and Cambariha, 2016).

Chen, et al (2011) studied about the company's competitive advantage's influence as the intervening factor between intellectual capital and company's performance. The research showed that the intervening effect of competitive advantage on the relations between intellectual capital and company's performance is fulfilling the intervening condition. Chen's argument is supported by Pratama and Achmad (2015) who argued that competitive advantage is mediating the relations between VAIC and company's performance measured by ROA. Value added capital employee (VAHU) has a positive influence towards competitive advantage. Based on the theoretical and empirical studies, this research proposes a hypothesis:

IJBM, Vol 8: Issue 7, Page No: 135-152

H4a: Value Added Capital Employed (VACA) is indirectly influential towards company's performance through competitive advantage.

11. Indirect Influence of Value Added Human Capital (VAHU) towards Company's Performance through Competitive Advantage

A research by Wu (2013) said that intellectual capital is effectively influential in improving company's financial performance. Wu showed that the role of intellectual capital is supporting intangible resources to innovate more to win the business competition. This process will then indirectly improve the company's financial performance.

Khan, et al (2018) conducted a research that explains in dynamic market, a new company tends to look for strategy and competitive skills to make sure their organization operates and sustains for a long term as well as avoiding failures. The result shows us that competitive advantage is highly influential towards company's performance. The same thing goes to intellectual capital and business strategy that positively and significantly contribute to competitive advantage. Competitive advantage is completely bridging the relations between intellectual capital and new business performance. Additionally, it also has a partial mediating role in the relations between business strategy and new business performance. The result shows that internal capability mentioned above plays an important role in the new business.

Pratama and Achmad (2015) said that competitive advantage can mediate the relations between VAIC and company's performance measured by ROA. An empirical study by shows that value added human capital (VAHU) is positively influential towards competitive advantage. Based on theoretical and empirical studies, this research proposes a hypothesis:

H4b: Value Added Human Capital (VAHU) is indirectly influential towards company's performance through competitive advantage.

12. Indirect Influence of Structural Capital Value Added (STVA) towards Company's Performance through Competitive Advantage

Pratama and Achmad (2015) analyzed the influence of intellectual capital towards company's performance using competitive advantage as the intervening variable. Their research proved that intellectual capital is positively influential towards competitive advantage, and intellectual capital has a positive influence towards company's performance proxied by ROA. Competitive advantage mediates the relations between intellectual capital and company's performance measured by ROA. A research by Yasar (2010) explained that in order to improve the company's performance and gaining competitive advantage amidst global market competition, a competitive strategy needs to be enacted firmly. Additionally, all costs and differentiation strategy need to be enacted collaboratively by decision makers.

Majeed (2011) showed that the relations between competitive advantage and company's performance is positive. Diva and Mitha (2014) supported the research findings by Devi, et al (2017) that argued structural capital value added (STVA) is influential towards company's performance. Intellectual capital has a positive influence towards company's market values and positive financial performance which can mediate the relations between intellectual capital towards company's market values. Khan, et al (2018) explained in their research that in a dynamic market, a new company tends to look for strategy and competitive skills to make sure their organization operates and sustains for a long term as well as avoiding failures. The result shows us that competitive advantage is highly influential towards company's performance.

Based on the theoretical and empirical studies, this research proposes a hypothesis:

H4c: Structural Capital Value Added (STVA) is indirectly influential towards company's performance through competitive advantage.

C. Research Design

This explanatory research is using quantitative approach to analyze the influence of intellectual capital towards competitive advantage and company's performance as well as its impact on company's values. Statistical path analysis is used in analyzing quantitative data. This research includes numerous companies as the population within three years period of companies' operations which also needs panel regression to help analyzing and discovering the findings.

D. Population and Sample

All registered banking companies in Indonesia Stock Exchange are included as the population of this research. As for sample, this research adopted sampling purposive technic to determine the sample using several considerations (Sugiyono, 2010). Several considerations mentioned previously are including:

- 1. Companies that are having routinely published Annual Report throughout 2015-2017. The complete data on their annual reports are necessary for this research in fulfilling all variables needed for this study.
- 2. Companies that are providing annual reports using Rupiah (IDR) currency, not US Dollar (USD) or others.

E. Data Type and Resource

This research is using data panel, which combines time series data and cross section. Time series data in this research are including the period of companies' operations from 2015 to 2017, whereas the cross section data shows the number of banking companies included in this study that is 37 banks. Gujarati (1995) explained that using data panel and general overview may avoid and reduce the violations against serial correlation symptom and *multi-colinierity*. Annual Reports throughout 2015-2017 from the targeted companies are useful for providing secondary data for this study.

F. Research Variable

Based on the research question, research objective, and hypothesis, the variables used in this study to be analyzed further are:

1. Intellectual Capital

Intellectual Capital is one of the knowledge contributions to the company's added values and function. This research uses Pulic method in measuring intellectual capital of companies to provide the information of companies' value creation efficiency from their tangible and intangible assets. The company's ability to create value added is one of the objective indicators in assessing the company's success in business and creating values (Pulic, 1998). The formula to count VAIC is provided as follows:

Value Added (VA) = Output - Input

Note:

VA: Value Added

Output: Total sales and income

Input: Costs and expenditures (exclude the labor cost)

Intellectual capital variables are divided into three VAIC variables that consist of VACA, VAHU, and

STVA. Each variable is explained below:

a) VACA (X1)

Value Added Capital Employed (VACA) is the value added which is created out of a unit of physical capital.

$$VACA = \frac{VA}{CE}$$

Note:

VA = Value Added

CE = Capital Employee (available funds from equity)

b) VAHU (X2)

Value Added Human Capital (VAHU) determines how many values added (VA) a company can make from their expenditure on labor cost.

$$VAHU = \frac{VA}{HC}$$

Note:

VA = Value Added

HC = Labor cost

c) STVA (X3)

Structural Capital Value Added (STVA) shows how structural capital contributes in company's value creation.

$$STVA = \frac{SC}{VA}$$

Note:

VA = Value Added

HC = Labor cost

SC = VA - HC

2. Competitive Advantage (Y1)

Competitive advantage is a company's capability in improving the quality of their products/services, reducing cost, enlarging market share and gaining higher profitability, as well as to what extent a company can compete with other companies elsewhere. In measuring competitive advantage, this research uses Assets Utilization Ratio which measure the extent of banking company's managerial capability in managing assets for gaining operating and non-operating income.

Assets Utilizatio
$$n = \frac{\text{Operating income}}{\text{Total Assets}}$$

3. Company's Performance

Profitability reflects how the company's performance is. Therefore, knowing the profitability ratio

is intended to measure the efficiency of company's activities and capability in profit making. Profitability ratio in this research is proxied by Return Ori Asset (ROA) which shows how much after-tax net income or profit to total assets (Manurung dan Rahardja, 2005).

$$ROA = \frac{\text{Net Income}}{\text{Total Aset}}$$

4. Company's Values

Company's Values are determined by how the investors' perceptions toward company's level of success. A high company's value is reflected by, among others, price book value (PBV) which shows the company's current and future prospect performance.

G. Data Analysis Method

This research uses statistical path analysis. In such analysis, the relations among variables are shown by several coefficient path (ρij) where this coefficient is equivalent with the standardized beta coefficient (β). This technic allows a study on the direct and indirect influences among variables (Riduwan, 2014).

1. Decomposition Model

Decomposition model emphasizes the causality influences among variables, both direct and indirect, within path analysis framework. Decomposition path analysis calculation on the causal influences among variables is differentiated into three as follows:

- a. Direct causal influence is the influence of exogenous variable towards endogenous variable which occurs without going through other endogenous variables.
- b. Indirect causal influence is the influence of exogenous variable towards endogenous variable which occurs through other endogenous variables.
- c. Total causal influence is the accumulation of direct and indirect causal influences.

2. Path Analysis Steps

- a. Formulating hypotheses and structural equations. The hypotheses are:
- 1. VACA is influential towards competitive advantage.
- 2. VAHU is influential towards competitive advantage.
- 3. STVA is influential towards competitive advantage.
- 4. VACA is influential towards company's performance.
- 5. VAHU is influential towards company's performance.
- 6. Competitive advantage is influential towards company's performance.
- 7. Competitive advantage is influential towards company's values.
- 8. Company's performance is influential towards company's values.
- 9. VACA is indirectly influential towards company's performance through competitive advantage.
- 10. VAHU is indirectly influential towards company's performance through competitive advantage.
- 11. STVA is indirectly influential towards company's performance through competitive advantage.
- b. Causal path analysis equation
 - 1. Structural Path Equation 1

The causal relations equation among X_1 , X_2 , X_3 and Y_1 is

$$Y_1 = \rho y_1 x_1 \ X_1 + \rho y_1 x_2 \ X_2 + \rho y_1 x_3 \ X_3 + \rho y_1 \ \mathcal{E}_1$$

Notes:
 $p y_1 x_1 = \text{Coefficient Path } X_1 \text{ with } Y_1$
 $\rho y_1 x_2 = \text{Coefficient Path } X_2 \text{ with } Y_1$

 $\rho y_1 x_3$ = Coefficient Path X_3 with Y_1

 $X_1 = VACA$

 $X_2 = VAHU$

 $X_3 = STVA$

 Y_1 = Competitive advantage

2. Structural Path Equation 2

The causal relations equation among X_1 , X_2 , X_3 , Y_1 and Y_2 is

$$Y_2 = \rho y_2 x_1 X_1 + \rho y_2 x_2 X_2 + \rho y_2 x_3 X_3 + \rho y_2 Y_1 + \rho y_2 E_2$$

Notes:

 $py_2x_1 = Coefficient Path X_1 with Y_2$

 $py_2x_2 = Coefficient Path X_2 with Y_2$

 $py_2x_3 = Coefficient Path X_3 with Y_2$

 $\rho y_2 Y_1 = \text{Coefficient Path } Y_1 \text{ with } Y_2$

 $X_1 = VACA$

 $X_2 = VAHU$

 $X_3 = STVA$

 Y_1 = Competitive advantage

 Y_2 = Company's Performance

3. Structural Path Equation 3

The causal relations equation among Y_1 , Y_2 , and Z is

$$Z = \rho z y_1 Y_1 + \rho z y_2 Y_2 + \rho z \mathcal{E}_3$$

Notes:

 $Pzy_1 = Coefficient Path Y_1 with Z$

pzy₂= Coefficient Path Y₂ with Z

 Y_1 = Competitive advantage

 Y_2 = Company's performance

Z = Company's values

H. Findings

This part provides the data analysis, hypotheses tests, and further study of the results from data processing with statistical descriptive and panel data regression through eviews 9 program.

1. Variable Description

Statistical descriptive gives a description of data based on mean, deviation standard, maximum, and minimum. A description on variables is presented on the Table 3 below:

Table 3: Statistical Descriptive

Table 3 Statistical Descriptive

Variabel.	Mean	Deviation	Maximum	Minimum
		Standard		
Company's values	1.5200	1.0472	5.4500	0.2800
Company's	0.6986	2.7692	4.1900	2.4473
performance				
Competitive advantage	0.1620	0.3509	2.4473	0.0282
VACA	1.0785	4.9592	50.470	-0.1335
VAHU	4.5599	2.6085	14.284	-0.5464
STVA	0.7099	0.4766	3.3872	-1.7168

1. Hypotheses Tests

All the regression equation I, II, III results, which use fixed effect model (FEM) as explained above, will be used to contest the proposed hypotheses in this research. The results from fixed effect regression model as well as the list of hypotheses tests are presented below on Table 10:

Table 4: Hypotheses Tests Results

Hypotheses	Coefficient	P value	Notes
Structural Equation I			
H1a: Value added capital employed	0.0032	0.4473	H1a
(VACA) is influential towards			declined
competitive advantage.			
H1b: Value added human capital	0.0034	0.0000	H1b
(VAHU) is influential towards			approved
competitive advantage.			
H1c: Structural capital value added	0.0001	0.2032	H1c
(STVA) is influential towards			declined
competitive advantage.			
Structural Equation II			
H2a: Value added capital employed	-0.2842	0.0000	H2a
(VACA) is influential towards			approved
company's performance.			
H2b: Value added human capital	0.6609	0.0093	H2b
(VAHU) is influential towards			approved
company's performance.			
H2c: Structural capital value added	-1.1963	0.0039	H2c
(STVA) is influential towards			approved
company's performance.			
H2d: Competitive advantage is	-0.8620	0.3605	H2d
influential towards company's			declined
performance			
Structural Equation III			
H3a: Competitive advantage is	-0.4324	0.6914	H3a
influential towards company's values.			declined
H3b: Company's performance is	0.0361	0.0000	H3b
influential towards company's values.			approved

The hypotheses test result table above shows that value added human capital (VAHU) is influential towards competitive advantage and company's performance. On the other hand, competitive advantage is not influential towards company's performance and values. Value added capital employed (VACA) does not have influence towards competitive advantage, yet significantly influential towards company's performance. Whereas structural capital value added (STVA) is not influential towards competitive advantage, but significantly influential towards company's performance. Lastly, company's performance has a significant influence towards company's values.

2. Indirect Influences Hypotheses Test

The hypotheses test in this research uses path analysis method. This analytical technic examines the amount of contribution shown by the coefficient path on each path diagram of the causal inter-relations and indirect relations. Table 11 below summarizes the equation I, II, and III path analysis results:

Table 5:Indirect Influences Hypotheses Test Result

Influences Among	Causal Influences		Notes
Variables (Model)	Direct	Indirect Influences	
	Influences		
H4a: Value added capital	X ₁ 's path	X ₁ 's path towards	H4a is
employed (VACA) is	towards Y ₁	Y ₂ through Y ₁ is	declined for
indirectly influential	is	insignificant.	all paths are
towards company's	insignificant		proved as
performance through	-		insignificant.
competitive advantage.			
H4b: Value added human	X ₂ 's path	X ₂ 's path towards	H4b is
capital (VAHU) is	towards Y ₁	Y ₂ through Y ₁ is	declined for
indirectly influential	is	insignificant.	there is an
towards company's	significant.		insignificant
performance through			path.
competitive advantage.			
H4c: Structural capital	X ₃ 's path	X ₃ 's path towards	H4c is
value added (STVA) is	towards Y ₁	Y ₂ through Y ₁ is	declined for
indirectly influential	is	insignificant.	all paths are
towards company's	insignificant		insignificant.
performance through	-		
competitive advantage.			

3. Discussion of Hypotheses Results

a) VACA's influence towards competitive advantage

The H1a hypothesis proposed earlier in this research which claims value added capital employed (VACA) is influential towards competitive advantage is declined. This result is achieved from the test of significance level > 0.05. The $\rho y_1 x_1$ path shows sig 0.4473 > 0.05. The test result shows that coefficient X_1 path towards Y_1 is insignificant, which also indicates that value added capital employed (VACA) is not influential towards the competitive advantage of a company. This finding shows an inconsistency against the research findings of Pratama and Achmad (2015) that claimed value added capital employed (VACA) is positively influential towards competitive advantage. Instead, this study concludes that value added capital employed is not contributing to competitive advantage.

b) VAHU's influence towards competitive advantage

The proposed H1b hypothesis which claims that value added human capital (VAHU) is influential towards competitive advantage is approved. The significance level test approves < 0.05. The $\rho y_1 x_2$ path shows that sig 0.000 < 0.05. Based on the test result above, it is confirmed that the coefficient path of X_2 towards Y_1 is significant, which implies that value added human capital (VAHU) is significantly influential towards competitive advantage. This research finds that VAHU is directly influential towards and positively contribute to company's competitive advantage. The amount of VAHU's direct contribution that affects competitive advantage is 0.0034. This condition is caused by, among others, the banking management which focuses on the development of the intermediation function, prioritizes high quality credit development by taking advantage of existing business opportunities and capacities. Additionally, all banking officials continue to strive the sustainable growth strategy while the strategy to strengthen the market is done through focused acquisition and increasing the margin. Lastly, the banking companies' officials also focus on the strategy to strengthen the bank capital in order to maintaining organizational endurance in increasing competitiveness through business expansions.

c) STVA's influence towards competitive advantage

The H1c hypothesis which claims that structural capital value added (STVA) is influential towards competitive advantage is declined. This result is gained from the significance level test > 0.05. The $\rho y_1 x_3$ path shows sig 0.2032 > 0.05. Based on the test result above, it shows that coefficient path of X_3

towards Y_1 is insignificant, which implies that structural capital value added (STVA) is not influential towards competitive advantage. This research finds that STVA is not directly influential towards competitive advantage.

d) VACA's influence towards company's performance

The proposed H2a hypothesis which claims that value added capital employed (VACA) is influential towards company's performance is approved. This result is shown by the significance level test < 0.05. The $\rho y_2 x_1$ path shows sig 0.0000 < 0.05. Based on the test result above, the coefficient path of X_1 towards Y_2 is significant, which also indicates that value added capital employed (VACA) is significantly influential towards company's performance. This research finding is consistent with the research findings of Devi, et al (2017) which argued that VACA is significantly influential towards company's financial performance.

As the hypothesis H2a is approved, it indicates that VACA negatively contributes to company's performance. The amount of VACA direct contribution towards company's performance is 0.2842. This condition is caused by, among others, the company's organizational culture in implementing values towards their employees, such as orderly, calm, diligent, careful, precise, effective, and efficient to work well.

e) VAHU's influence towards company's performance

The proposed H2b hypothesis which argues that value added human capital (VAHU) is influential towards company's performance is approved. This result is shown in the significance test result < 0.05. The $\rho y_2 x_2$ path shows sig 0.0093 < 0.05. Based on the test result above, the coefficient path of X_2 towards Y_2 is significant, which also indicates that value added human capital (VAHU) is significantly influential towards company's performance. This finding is consistent with the research findings by Bontis, et al (2000) that argued human capital is a significant factor in operating company's business and that structural capital has a positive influence towards company's performance.

As the H2b hypothesis is approved, it indicates that VAHU is positively contributing to company's performance. The amount of VAHU direct contribution towards company's performance is 0.6629. This condition is caused, among others, by everyone in banking companies should support the creation of positive and productive company's performance. In other words, everyone in banking companies should maximize their intellectual capital that includes provide satisfying services for the customer, welcome every customer and colleague well, as well as understanding the needs of each customer and colleague.

f) STVA's influence towards company's performance

The H2c hypothesis which claims that structural capital value added (STVA) is influential towards company's performance is declined. This result is shown in the significance level test > 0.05. The $\rho y_2 x_3$ path shows sig 0.0039 > 0.05. Based on the test result above, the coefficient path of X_3 towards Y_1 is insignificant, which indicates that structural capital value added (STVA) is not influential towards company's performance. This research finding is consistent with the empirical findings argued by Martins and Lopes (2016) that intellectual capital and accounting standard positively contribute to company's performance. The research findings provided by Devi, et al (2017) also supported and argued that STVA is influential towards company's performance. As the H2c hypothesis is declined, this also indicates that STVA negatively contributes to company's performance. The amount of value added human capital direct contribution is 1.1963. This condition is caused, among others, by the banking companies focus on their goal in increasing the core capital

periodically as well as maintaining a healthy capital. Additionally, banking companies are attempting to achieve their target on the credit growth, retail segment, consumer, infrastructure, and telecommunication.

g) Competitive advantage's influence towards company's performance

The H2d hypothesis which argues that competitive advantage towards company's performance is declined. This result is shown in the significance test result > 0.05. The $\rho y_2 y$ path shows sig 0.3605 > 0.05. Based on the test result above, the coefficient path of Y_1 towards Y_2 is insignificant, which also implies that competitive advantage is not influential towards company's performance. This research finding is consistent with the research findings by Majeed (2011) that argued there is a positive relation between competitive advantage and company's performance. Other research by Diva and Mitha (2014) argued that intellectual capital is positively influential towards company's market values, positive financial performance which can mediate the relations between intellectual capital with company's market values. Additionally, this research finding supports Khan, et al (2018)'s research that argued competitive advantages has positive significant influences toward business performance.

As H2d hypothesis proves that competitive advantage does not directly influence company's performance, it indicates that competitive advantage is not contributing to company's performance. This condition is caused by the uncertain global economic condition that overshadows the banking companies' business activities. This finding is in line with the banking data until June 2017 that showed the banking companies' performances is still not showing any consistent improvement.

h) Competitive advantage's influence towards company's values

The H3a hypothesis which argues that competitive advantage is influential towards company's values is declined. This result is shown by the significance level test > 0.05. The $\rho y_2 y$ path shows sig 0.6914 > 0.05. Based on the test result above, the coefficient path of Y_1 towards Z is insignificant, which also indicates that competitive advantage is not influential towards company's values. This research finding is consistent with Multono's (2013) argument that explained as the resource-based theory claims that company's capability is one of the significant internal factors in managing resources owned by the company in order to gain competitive advantage amidst a tougher global competition. If companies have good capabilities, therefore they can manage their resources well to help them gaining competitive advantage in the future.

As H3a hypothesis is declined, this research finds that competitive advantage does not contribute to the company's values. This condition occurs because the banking companies consistently focus on the implementation of the integrated risk management and good governance that can increase the company's values for the shareholders. In consequence, almost all banks commit to always implementing good governance principles in every banking activities, instead of focusing on gaining competitive advantage.

i) Company's performance's influence towards company's values

The H3b hypothesis which claims that company's performance is influential towards company's values is approved. This result is shown in the significance level test > 0.05. The $\rho y_2 y$ path shows sig 0.000 < 0.05. Based on the test result above, the coefficient path of Y_2 towards Z is significant, which also indicates that company's performance is influential towards company's values. This research finding is in line with the findings of the researches by Diva and Mitha (2014), Repi, et al (2016), and Chen and Yu (2011) that argued profitability is positively influential towards company's values.

As the H3b hypothesis is approved, this indicates that company's performance contributes to company's values. This condition occurs because the banking companies consistently focus on the implementation of the integrated risk management and good governance that can increase the company's values for the shareholders. In consequence, almost all banks commit to always implementing good governance principles in every banking activities. Additionally, banking companies are always eager and willing to achieve their targets with the supports of shareholders' commitments.

j) Indirect influences of intellectual capital (VAHU, VACA, and STVA) toward company's performance through competitive advantage

The H4a, H4b, and H4c hypotheses that argue VAHU, VACA, and STAV are indirectly influential toward company's performance through competitive advantage is declined. This condition occurs since the path of Y_1 towards Y_2 is insignificant.

4. Conclusion:

Based on the hypotheses tests and discussion above, this study reaches conclusion as follows:

- 1. Value added capital employed (VACA) and structural capital value added (STVA) is not influential toward competitive advantage. Whereas value added human capital (VAHU) is influential towards competitive advantage.
- 2. Value added capital employed (VACA), value added human capital (VAHU), and structural capital value added (STVA) are influential toward company's performance. On the other hand, competitive advantage is not influential towards company's performance.
- 3. Competitive advantage is not influential towards company's values. In the contrary, company's performance is influential towards company's values.
- 4. VAHU, VACA, and STVA that are claimed to be indirectly influential toward company's performance through competitive advantage is not supported as the path of Y₁ towards Y₂ is insignificant. Therefore, competitive advantage cannot mediate the relations between intellectual capital and company's performance.

5. Implication:

Based on hypotheses tests and conclusion above, several implications from this research are:

- 1. Based on the finding which proves the highest and most significant score of coefficient path is value added human capital (VAHU), which is influential towards competitive advantage and company's performance. Therefore, in the future, VAHU needs to be improved to increase the company's competitiveness and performance.
- 2. Based on the hypothesis test that finds intellectual capital is the significant variable in increasing company's performance, companies need to put their concerns continuously on VACA, VAHU, and STVA, as the indicators that shape intellectual capital, to increase the banking companies' performances.
- 3. This research finds and emphasizes the importance of shareholders' role in supporting company' commitment and activities. Shareholders' supports are essential to make the company able to survive in any condition and increase the company's values to attract investors.
- 4. VAIC method by Pulic (1998) is suitable for executing researches with statistical analysis.

IJBM, Vol 8: Issue 7, Page No: 135-152 Page 150

References:

- 1. Agostini, L., Nosella, A., & Filippini, R. (2017). Does intellectual capital allow improving innovation performance? A quantitative analysis in the SME context. Journal of Intellectual Capital, 18(2), 400-418.
- 2. Bontis, N.2002. Intellectual Capital ROI: A Causal Map Of Human Capital Antecedents And Consequents. Journal Of Intellectual Capital. Vol. 3 No. 3. pp. 223-247.
- 3. Bunga Ekawati Devi, Khairunnisa, dan Eddy Budiono. (2017). The Influence Of Intellectual Capital on The Company Financial Performance. e-Proceeding of Management: Vol.4, No.1 April 2017.
- 4. Cicanthika Dyah Fitria Afandi dan Ikhsan Budi Riharjo. (2017). Pengaruh Intellectual Capital Terhadap Kinerja Perusahaan yang Terdaftar di Bursa Efek Indonesia. Jurnal Ilmu dan Riset Akuntansi. Volume 6, Nomor 7, Juli 2017. ISSN: 2460-0585.
- 5. Fransisca Mulyono. (2013). Firm Capability dalam Teori Resource-Based View. Jurnal Administrasi Bisnis (2013), Vol.9, No.2: hal. 128–143, (ISSN: 0216–1249).
- 6. Ismail AI, Rose RC, Abdullah H, Uli J. The relationship between organizational competitive advantage and performance moderated by the age and size of firms. Asian Academy of Management Journal. 2010; 15(2):157–173.
- 7. Grupe C, Rose A. China, India, and the Socioeconomic Determinants of Their Competitiveness. Journal of Economics Research International, Article ID 860425. 2010; 1-15.
- 8. Maria Manuela Martins dan Ilídio Tomás Lopes (2016). Intellectual Capital And Profitability: A Firm Value Approach in The European Companies. Business: Theory and Practice, 2016, 17(3): 234–242.
- 9. Sadia Majeed. (2011). The Impact of Competitive Advantage on Organizational Performance. European Journal of Business and Management. ISSN 2222-1905 (Paper).
- 10. Mačerinskienė, I.: Aleknavičiūtė, R. (2015). Comparative evaluation of national intellectual capital measurement models, Business: Theory and Practice 16(1): 1–14.
- 11. Meutia T, Ismail T. The development of entrepreneurial social competence and business network to improve competitive advantage and business performance of small medium sized enterprises: A case study of batik industry in Indonesia. Journal of Procedia Social and Behavioral Sciences. 2012; 65:46–51.
- 12. Muhammad Anwar, Sher Zaman Khan, dan Najib Ullah Khan. (2018). Intellectual Capital, Entrepreneurial Strategy and New Ventures Performance: Mediating Role of Competitive Advantage. Business & Economic Review: Vol. 10, No.1 2018 pp. 63-94.
- 13. Penrose ET. 1959. The Theory of the Growth of the Firm. Oxford University Press: New York.
- 14. Pulic, Ante. (1998). Measuring the performance of intellectual potential in knowledge economy.
- 15. Pulic, Ante. (2008). The Principles of Intellectual Capital Efficiency A Brief Description. Zagreb, June 2008.
- 16. Sabrin, Buyung Sarita, Dedy Takdir .S, dan Sujono. (2016). The Effect of Profitability on Firm Value in Manufacturing Company at Indonesia Stock Exchange. The International Journal Of

IJBM, Vol 8: Issue 7, Page No: 135-152

- Engineering And Science (IJES) Volume 5 Issue 10 Pages PP 81-89. 2016.
- 17. Sachitra V, Chong SC. Enhancing competitive advantage of Sri Lankan minor export crops. Journal of Global Economics, Management and Business Research. 2015; 4(4):185-194.
- 18. Sigalas C, Economou VP, Georgopoulos NB. Developing a measure of competitive advantage. Journal of Strategy and Management. 2013; 6(4):320–342.
- 19. Smith M. Issues of competitiveness and regional growth in relation to transport infrastructure investment: A literature review on assessment methodology; 2013.
- 20. Stewart, Thomas, A. 1997. Intellectual Capital: the New Wealth of Organizations. Doubleday.
- 21. Tudor, A. T.; Dima, S.; Dima, B.; Ratiu, R. V. (2014). The linkage between intangibles and profitability, Annals Universitatis Apulensis Series Oeconomica 16(1): 283–293.
- 22. Ulum, I. (2008). Pengaruh Intellectual Capital terhadap Kinerja Keuangan Perusahaan Perbankan di Indonesia. Tesis Universitas Diponegoro.
- 23. William Sucuahi dan Jay Mark Cambarihan. (2016). Influence of Profitability to the Firm Value of Diversified Companies in the Philippines. Accounting and Finance Research Vol. 5, No. 2; 2016.
- 24. Yasar. (2010). Competitive Strategies and Firm Performance: Case Study on Gaziantep Carpeting Sector. Journal of Social Sciences Institute. Yıl/Year: 2010. Cilt/Volume: 7. Sayı/Issue: 14, s. 309 324.

IJBM, Vol 8: Issue 7, Page No: 135-152 Page 152









PENUGASAN

Nomor: 073-D/299/FE-UNTAR/II/2020

Sehubungan dengan surat Ketua Jurusan Akuntansi nomor: 023-KJA/255/FE-UNTAR/II/2020 perihal: Permohonan Penugasan sebagai Penulis Jurnal, dengan ini Pimpinan Fakultas Ekonomi dan Bisnis Universitas Tarumanagara menugaskan:

> Vidyarto Nugroho, SE., MM., Ak., CA (Penulis Pertama)

Sebagai Penulis Jurnal yang berjudul: Intellectual Capital Determinant and Company's Values(case study on Registered Banking companies in Indonesia Stock Exchange), yang diterbitkan di Jurnal Innovative Journal Of **Business** And Management(IJBM/Volume:8:Issue7, August 2019: No:135-152, (DOI: Page http://www.innovativejournal.in/index.php/ijbm) ISSN-2277:4947.

Demikian penugasan dibuat untuk dilaksanakan sebaik-baiknya dengan penuh tanggung jawab.

5 Februari 2020

Dekan,

Dr. Sawidji Widoatrhodjo, S.E., M.M., M.B.A.

Tembusan:

- 1. Wakil Dekan
- 2. Kajur. Akuntansi
- 3. Kaprodi. S1 Akuntansi
- 4. Kabag. Tata Usaha