Increasing Organization Performance Through Competitive Advantage of Private University in Medan

Elizabeth Haloho
Department of Management
Faculty of Economic and Business
Universitas Sari Mutiara Indonesia
Medan, Indonesia
elisabeth.haloho@gmail.com

Lailan Tawila
Department of Management
Faculty of Economic and Business
Universitas Sari Mutiara Indonesia
Medan, Indonesia
lailan_tawila@yahoo.com

Abstract—There is increment number of students who finished Senior High School in Medan every year. With this reason, private universities are encourage to compete amongs them to attract new students to register. Therefore each of them must have a competitive advantage to become known by potential students and win the competition. This competitive advantage can be built with service differentiation and knowledge management. The purpose of the research in longrun is to develop quality of education of Private Universities in Medan. The management of the institution will get important information to build Strategic Planning and Operational Planning of Higher Education Institutions. The competitive advantage of each Private university could be different one another but in this research will give insight on how using internal resources such as service differentiation and knowledge management will be benefitting the management. By maintaining their competitive advantage will increase the organization performance and will be shown by the result of National Accreditation Body of Higher Education in Indonesia (BAN-PT). The research is located in Medan, North Sumatera, with 100 respondents than to choose Head of program studies from 11 universities in Medan. The criteria of universities in the research is universities with relative stable and growing number of students each year. By using proportional Cluster Random sampling, the researcher will choose the respondent proportionally. The research will also be using Inferential in the data analysis. The analysis model is using path analysis by SPSS.

Keywords—service differentiation; knowledge management; competitive advantage; organizational performance

I. INTRODUCTION

Universities are the centers of higher education whereas the maintenance, and development of science, technology and / or arts in the hope of improving the quality of life in society, nation and country. The quality of education can be seen from the performance of University. Currently the quality of education in Indonesia is still relatively lower if compared to other countries in Southeast Asia. Based on a survey conducted by the Human Development Index (HDI) in 2014 that is used to measure the level of world education quality, Indonesia is ranked 108th under Singapore on the rank of 9th, Malaysia with 56th and Thailand at position 89th. The position of Indonesian universities at International level can also be seen from the list of the world’s best universities issued by the Times Higher Education Supplement (THES). From the list issued by THES which was published in London in 2005, there is no college of Indonesia who entered the top 100. In 2013, only the Universitas Indonesia and Institut Teknologi Bandung that entered the top 500 Best universities of the World with the rank of 309th and 461st (www.topuniversities.com)

The performance of universities in Indonesia can be seen as well from the ranking of Universities undertaken by the Ministry of Research and Technology of the Directorate of Higher Education (Kemenristekdikti) which conducted by an
II. THEORETICAL REVIEW

The Correlation between service differentiation and competitive advantages

Differentiation is not only in physical products, the company can also differentiate its services. If the physical product is not easy to be differentiated, the key to success in competition lies in the addition of services that provide value added to the customer and improve the quality. This is the main differentiator between service companies. Vugt, creates various types of dimensions associated with differentiation and diversification of universities, namely:

- Structure: differences resulting from legal basis, policy, or history of college
- Program: difference of level and or type of program offered
- Reputation: Status and or prestige that is felt from certain institution
- Procedural: differences in teaching, research, and service functions in an institution
- Constituents: differences in student and staff background[27]

Differentiation strategy, cost leadership, quick response and market focus which were related to overall operating success refers to increasing competitive advantage [22]. The differentiation strategy also involves the company to create a product or service, which is considered unique in several aspects: Customer value to create competitive advantage [5]. The differentiation strategy is based on providing buyers with something different or unique, which makes the company's product or service different from its competitors. The differentiation of higher education is a direct and positive impact on the competitive advantage of these findings that differentiation is depicted regarding content, context, and structure that have value, a rare product, no substitute and not easily imitated by competitors [13].

Correlation between Knowledge Management and competitive advantages

According to Turban, et al. [24] Knowledge Management is a process of helping corporate identity, selecting, organizing, disseminating, and sending vital information and expertise including parts of organizational memories that are typically located within the organization in the structured area.

From research, knowledge management is positively related to the success of an organization, especially in manufacture companies [6]. According
to Probst et al., identification of knowledge is divided into three stages, namely:

- **Structural knowledge**: is a form of explicit knowledge and has been documented in hardcopy or digital form (softcopy). Structural knowledge in this company is things that are related to organizational structure such as job description and business process.

- **Functional knowledge**: aims to identify the existing knowledge in employees, namely through the job functions of each employee. Functional knowledge that is tacit must be documented, while explicit knowledge must be in the same application, making it easier for employees to access and use the knowledge to be implemented in the work process.

- **Behavioral Knowledge**: intended to identify ordinances in sharing or distributing knowledge from individuals to other employees, usually obtained through discussions among employees. Knowledge that is behavioral, usually has become a habit and become a culture in the company.

In achieving competitive advantage, knowledge management is important in assisting organizations in innovative product development. It is recommended that knowledge management to be used as an essential Business tool to gain competitive advantage and in turn, encourage economic growth [7]. Knowledge is seen as a strategic asset with the potential to be a source of competitive advantage for an organization. Knowledge management (KM) can be used to create a competitive advantage from RBV of company [8].

**Correlation between Competitive Advantages and Organization Performance**

The relationship between Competitive Advantages and Organizational Performance if incorporated into the theory according to Agha & Alrubaiee (2012) stated that to remain competitive and gain competitive advantage, managers can try to improve organizational performance by managing each dimension of shared vision core competencies; cooperation and empowerment. That competitive advantage (flexibility and responsiveness) positively affects organizational performance [10].

To achieve competitive advantage that can not only match their business rivals 'but also surpass the industry’s average performance, business organization must first understand the relationship between internal strengths and weaknesses of their organizations, as well as the potential impact on their company’s competitive advantage and performance.

In other words, competitive advantage is considered as a part of the foundation for high-level performance. In the era of rapid technological advances and information systems, resources and product outsourcing, and globalization, company size will have little influence on the relationship between competitive advantage and organizational performance. Majeed, S [14] states that RBV is a firm competitive advantage and one of the keys of related strategic management theories, explaining the complex relationship between competitive advantage and company performance. The synchronization of middle management on competencies associated with higher performance is very important to oversee management to gain high performance. According to Al-Alak & Tarabieh [2] in his research mentioned that managers identify the strategic orientations such as market orientation to enable companies to achieve competitive advantage and leading to greater organizational performance. Thus, to improve organizational performance, innovation, differentiation is relatively more important than focusing on market differentiation. In addition, it can also do both simultaneously to achieve a competitive advantage that leads to greater organizational performance.

**III. RESEARCH METHODOLOGY**

The research method used in this study is descriptive survey research method and explanatory survey method. The type of investigation used is causality, which is the type of research that states a causal relationship. The unit of analysis of this study is the Private University that operates in Medan city, while the observation unit is the Head of Study Program at private universities in Medan city. The research model that will be used as an analytical tool in this study is Partial Least Square-Path Modeling (PLS-PM).

**Population and sample**

The population of this research is the Head of Study Program registered at the private University in Medan City. Based on data from Kopertis Sumatera Utara, currently the number of private universities which were active in Medan is as many are 23 universities, but not all of the existing private universities will be the object of research. From the data obtained, private universities included in the criteria are 11 private universities located in Medan. Then to choose head of Program Studies at selected private universities, this research is using incidental
sampling with a proportional number of as many as 100 respondent.

IV. Result

In this paper analyzing data was performed on two different parts. In the first part, indirect effect and the second part direct effect. The results obtained are explained below:

A. Direct Effect

The statistical results for direct effect Service Differentiation (SD), Knowledge Management (KM) and Competitive Advantage (CA) on Performance are explained in Table 1.

Table 1. Result of Significant Value SD, KM, and CA Variable

<table>
<thead>
<tr>
<th>Model</th>
<th>Unstandardized Coefficients</th>
<th>Standardized Coefficients</th>
<th>t</th>
<th>Sig.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B</td>
<td>Std. Error</td>
<td>Beta</td>
<td></td>
</tr>
<tr>
<td>(Constant)</td>
<td>13.233</td>
<td>5.436</td>
<td>2.435</td>
<td>.018</td>
</tr>
<tr>
<td>Deferensiasi</td>
<td>.130</td>
<td>.122</td>
<td>.152</td>
<td>1.067</td>
</tr>
<tr>
<td>Knowledge</td>
<td>.119</td>
<td>.042</td>
<td>.299</td>
<td>2.855</td>
</tr>
<tr>
<td>Keunggulan</td>
<td>.494</td>
<td>.179</td>
<td>.400</td>
<td>2.761</td>
</tr>
</tbody>
</table>

Table 1 presents the results significant level. The results showed that the SD more than 0.05 (0.290) and for each variable KM (0.006) and CA (0.008) was less than 0.05.

B. Indirect Effect

According to obtained results from measuring (CA) based on path analysis shows (SD) value is equal 0.00 and Knowledge Management (KM) value is less than 0.05.

Table 2. Result of Significant Value SD Variable and KM Variable

<table>
<thead>
<tr>
<th>Model</th>
<th>Unstandardized Coefficients</th>
<th>Standardized Coefficients</th>
<th>t</th>
<th>Sig.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B</td>
<td>Std. Error</td>
<td>Beta</td>
<td></td>
</tr>
<tr>
<td>(Constant)</td>
<td>21.540</td>
<td>2.745</td>
<td>7.846</td>
<td>.000</td>
</tr>
<tr>
<td>Deferensiasi</td>
<td>.484</td>
<td>.062</td>
<td>.699</td>
<td>7.856</td>
</tr>
<tr>
<td>Knowledge</td>
<td>.064</td>
<td>.029</td>
<td>.198</td>
<td>2.224</td>
</tr>
</tbody>
</table>

The results show that SD and KM variable positive related to Dependent variable of CA, SD has the highest effect with collaborative CA variable and its value is 0.699. In other words, variance of SD variable can be evaluated by this overt variable. KM value is 0.98 has positively effect. The result of the study SD and KM have significant value (<0.05)

C. The Figure of Path Analysis

![Figure 1. Path Analysis](image)

Figure 1 presents the path analysis of the path model for the study. The path model indicates the causal relationships among the constructs in the model, which includes the estimates of the path
coefficients and the coefficient of determination. The results of hypothesis finding:

<table>
<thead>
<tr>
<th>Hypothesis</th>
<th>Path Coefficient</th>
<th>Beta</th>
<th>Significant Level</th>
<th>Decision</th>
</tr>
</thead>
<tbody>
<tr>
<td>H1 SD→CA</td>
<td>0.690</td>
<td>0.000</td>
<td>0.000</td>
<td>Supported</td>
</tr>
<tr>
<td>H2 KM→CA</td>
<td>0.198</td>
<td>0.030</td>
<td>0.008</td>
<td>Supported</td>
</tr>
<tr>
<td>H3 CA→Performance</td>
<td>0.400</td>
<td>0.290</td>
<td>Not supported</td>
<td></td>
</tr>
<tr>
<td>H4 SD→Performance</td>
<td>0.152</td>
<td>0.006</td>
<td>Supported</td>
<td></td>
</tr>
<tr>
<td>H5 KM→Performance</td>
<td>0.690*0.400=0.276</td>
<td>Supported</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H5 KM→CA</td>
<td>0.198*0.400=0.079</td>
<td></td>
<td>Supported</td>
<td></td>
</tr>
</tbody>
</table>

V. CONCLUSION

This study aims to examine the influence of SD, KM, and CA on Performance. The results generated from the path model indicate that SD, KM has a significant influence on CA and KM, CA have a significant influence on Performance, but SD have not significant influence on performance. Direct effect KM on performance has more value than indirect effect KM on performance with intervening variable CA. SD has not significant direct effect on performance, but SD influences performance with intervening variable CA.

VI. REFERENCES

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