

# RECOGNIZING HOW UNIVERSITY SUSTAINABLE PERFORMANCE WITH STRATEGIC AGILITY AS AMEDIATING VARIABLE

## ERI MARLAPA<sup>1\*</sup>, TRI WIDYASTUTI<sup>2</sup>, MOMBANG SIHITE<sup>3</sup>, BAMBANG PURWOKO<sup>4</sup>

<sup>1</sup>Doctoral Student, Strategic Management Economics, Pancasila University, Jalan Raya Lenteng Agung No. 56-80, RT.1/RW.3, Srengseng Sawah, South Jakarta City, DKI Jakarta. (Corresponding Author)

<sup>2</sup>Professor Doctor of Economics Department Bhayangkara University, Indonesia. Jalan Raya Perjuangan North Bekasi, Bekasi City, West Java 17121, Indonesia

<sup>3</sup>Ph.D.,Strategic Management Economics, Pancasila University, Jalan Raya Lenteng Agung No. 56-80, RT.1/RW.3, Srengseng Sawah, South Jakarta City, DKI Jakarta

<sup>4</sup>Professor Doctor of Economics Department Pancasila University, Indonesia. Jalan Raya Lenteng Agung No. 56-80,RT.1/RW.3, Srengseng Sawah, South Jakarta City, DKI Jakarta

#### **Abstract**

Universities in Indonesia, in a phase of very tight competition in higher education services, of course, good management of higher education organizations is needed without neglecting its special aspects, not only through the application of the marketing concept, every individual in the organization must be able to see the vision and mission to be achieved. Then supported by the preparation of the right tactical strategy so as to create a competitive advantage for tertiary institutions. This study aims to determine the effect of the relationship between Competitive Advantage, Digital Transformation and Resource Advantages on Sustainable Performance in tertiary institutions through Strategy Agility as a mediating variable. This research method was carried out by path analysis using Partial Least Square (Smart-PLS) software version 3.0 with a population of 66 private tertiary institutions located in the LLDikti III environment, namely private tertiary institutions, 198 respondents were taken using the random sampling method. The results of the study prove that Competitive Advantage has a positive and significant effect on Strategic Agility, DigitalTransformation has a positive and significant effect on Strategic Agility, Resource Excellence has a positive effect on Strategic Agility, CompetitiveAdvantage has a positive and significant effect on Higher Education Sustainable Performance, Digital Transformation has a positive effect and significant effect on Higher Education Sustainability Performance, Resource Advantage has a positive and significant effect on Higher Education Sustainability Performance, Strategic Agility has a positive and significant effect on Higher Education Sustainability Performance.

**Keywords:** Competitive Advantage, Digital Transformation, Resource Advantages, Strategy Agility, Sustainable Performance of universities

#### 1. INTRODUCTION

The challenges of universities in facing changes in the business environment that occur globally trigger anincreasing intensity of competition between higher education service providers, so that each higher education service provider will try to offer quality higher education services, (Rohman et al., 2022; Soeltonet al., 2022). According to Law Number 12 of 2012, higher education as part of the national education system has a strategic role in educating the nation's life and advancing science and technology by paying attention to and applying humanities values as well as sustainable cultivation and empowerment of the Indonesian nation. In facing the competition for higher education services, it is necessary to have proper management of







universities and not leave an ideal foundation, not only through the application of marketing concepts, every individual in higher education must be able to see the vision and mission which is then supported by the preparation of the right tactical strategy so as to be able to create a sustainable competitive advantage for universities. In the LLDIKTI III area, based on the LLDIKTI report, it shows that of the 66 universities, none of them are included in the highest cluster, namely cluster I, but only 18 colleges (universities) or 27% of the total are included in cluster II. There are 18 colleges (universities) with a score range that is included in cluster II, namely 1,600 to 2,700. It can be concluded that there are not many universities that have not maximized sustainable performance. For this reason, more in-depth knowledge is needed to understand what factors are the causes of the increase in Sustainable Performance of universities. According to the Harvard Business Review (2012) to be able to improve the Sustainable Performance of Higher Education in a sustainable manner, Higher Education must create growth conditions that require joint attention. Helping employees to grow and remain enthusiastic at work but also can improve higher education's Sustainable Performance in a sustainable manner. To improve performance, universities can focus on resource advantages and competitive advantage strategies (Soelton et al., 2021; Rohman et al., 2022; Ferdinand at al., 2012). The resource advantage theory builds on the fallacy of focusing on higher education strategies in the pursuit of higher education excellence. Traditionally, universities have tended to focus on industry competition. The ability to create these three conditions will generate profits and improve sustainable university performance (Ferdinand et al., 2012). According to Hunt (2011) briefly, the theory of resource advantage emphasizes the importance of (a) market segments, (b) heterogeneous tertiary resources (c) comparative advantages/weaknesses in terms of resources (d) competitive advantage/weakness market position.

Given the increasingly difficult demands and challenges of society, many parties hope that tertiary institutions will have professional and quality human resources. At present the need for university graduates who have a global (world-class) paradigm with Indonesian national identity and the ability to build networksthat are able to seize competition in the future is felt. Thus, tertiary institutions must be based on the idea that education with a paradigm in the identity of the Indonesian nation will be stronger and able to competecompared to education with only a local paradigm. Therefore, the role of a leader who has high knowledge, capability and creativity in an effort to improve self-quality to give birth to better performance. To achieve the above, many efforts must be prepared by the government to advance the world of higher education. These efforts can be seen in improving the curriculum, adding facilities and infrastructure to support the teaching and learning process, and developing lecturers. However, the efforts made to improve the quality of education in solving problems that occur in society are inadequate and still need to be studied. Nationally, the challenges for universities in the future can actually be seen as follows: (1) the challenge for survival is that universities must be able to synergize with industry and the government. (2) The challenge of regional autonomy requires a workforce capable of working together to develop the region. (3) The challenge is to look at the problem from an interdisciplinary perspective, the development of highereducation is no longer fixated on a scientific focus but has widened in a sectoral context. (4) Challenges related to the role of the government are increasingly reducing its financial role in organizing







higher education. (5) The challenge for the entry of foreign universities into Indonesia is unstoppable, while the industry will find it easier to find competent workers. Education organizers and leaders, especially private tertiary institutions win the things described above, and have the ability to deal with them (Ramli & Soelton, 2018; Rohman et al., 2022; Asiah, 2017).

Meanwhile, competitive advantage is also one of the strategies to improve higher education's Sustainable Performance. According to Porter in Buldan (2020) states that to carry out the right strategy, tertiary institutions must pay attention to consistency tests as follows: (a) internal consistency, tertiary institutions must set goals that are rational and affordable. It must also have a policy that supports target prohibition, which governs the college pathway as a whole. (b) Environmental adaptation, targets and policies to be set must be able to create opportunities and adapt resources relative to challenges. Universities have to threaten the right time against the current environment and to deal with external interests. (c) Adjustment of resources, the availability of resources must be equal to the superiority of competitors and theimplementation strategy must be timely so that universities are able to make changes. (d) Communication and implementation, goals and objectives of tertiary institutions must be truly understood by all members. There must be mutual agreement between targets and policies relative to strategy implementation. Managersmust be able to execute strategies efficiently and effectively. This is also supported by several previous studies (Ramli & Soelton, 2018; Sari et al., 2021; Magnusson et al., 2009; Seggie & Griffith, 2009) which states that resource advantage theory is a competition theory developed and applied in the marketing strategyliterature and is a factor for can improve Sustainable Performance. Previous research revealed several findings related to sustainable performance. Some of the things that affect sustainable performance include competitive advantage, digital transformation, resource advantage, and strategic agility. The notion of competitive advantage itself has two different but interrelated meanings. The first definition is an emphasis on superiority or superiority in terms of resources and expertise possessed by universities. Universities that have competence in marketing, manufacturing, and innovation can be used as a source to achieve competitive advantage. According to Martini (2017) through these three competency areas, universities can develop strategies to produce products that sell well in the market. While the second meaning is the emphasis on excellence in service so far. This understanding is related to the university's position compared to its competitors. Universities that continue to pay attention to the development of their performance and seek to improve this performance have the opportunity to achieve a better competitive position. This research is only limited to the sphere of influence of Competitive Advantage, Digital Transformation and Resource Advantage on the performance of universities in the LLDIKTI three region with Strategic Agility as the mediation variable.

#### 2. LITERATURE REVIEW AND HYPOTHESES

This research aims to develop a new concept that can be used to bridge the gap of the influence of strategic management in maintaining a sustainable performance of higher education to improve the Sustainable Performance of university. Based on the literature review and the





development of the hypothesis previously stated, the conceptual framework of research that can be proposed is as follows:

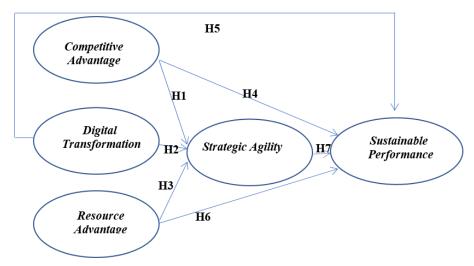


Figure 1: Conceptual Framework of Research

Research Hypotheses follows:

- 1. H1: Competitive Advantage has a positive and significant effect on Strategic agility
- 2. **H2:** Digital Transformation has a positive and significant effect on Strategic agility.
- 3. **H3:** Resources Advantage has a positive and significant effect on Strategic agility
- 4. **H4:** Competitive Advantage has a positive and significant effect on the Sustainable Performance of Higher Education. On the Sustainable Performance of Higher Education.
- 5. **H5:** Resources Advantage has a positive and significant effect on the Sustainable Performance of Higher Education.
- 6. **H6:** Digital Transformation has a positive and significant effect the Sustainable Performance of Higher Education.
- 7. **H7:** Strategic agility has a positive and significant effect on the Sustainable Performance of Higher Education.

#### 3. RESEARCH METHOD

This research was conducted at universities in the LLDIKTI III area and in this process it takes time for theresearch to be carried out from January 2020 to December 2022. The population in this study is universityleaders who are permanent lecturers of universities in the LLDIKTI III region, namely rectors, vice-rectors and deans or deputy deans. According to Higher Education Statistics data in LLDIKTI Region III as of November 10, 2021, there are as many as 66 universities, especially private universities. Saturate samples was taken by making the





population in the LLDikti III Jakarta area as a sample, consisting of 66 rectors, 66 vice-rectors and 66 deans, so that the total sample used was 198 respondents. And the design of this study is a combination of inferential causal explanatory research. The explanatory research method was used because in this study the relationship between the variables studied using the PLS-SEM (Partial Least Square-Structural Equation Modelling) method. In the study, there are variables that will be studied consisting of freely bound and mediated variables. The free variables in this study include Competitive Advantage, Digital Transformation and Resources Advantage.

The measurement scale used is an interval scale or often called a likert scale with a data collection method; Observation, Questionnaire, Literature Study. The data analysis method in this study uses Component or Variance Based Structural Equation Modeling where in data processing using the Partial Least Square (Smart-PLS) program version 3.0 PLS (Partial Least Square) is a method of Variance Based SEM.

#### 4. RESULTS

The sample units taken were structural officials or leaders of universities who are permanent lecturers of universities in the LLDIKTI III area, including 198 questionnaires with a population of 66 Private Universities located in the LLDikti III area and The number of statements is 68 types of statements with a choice of answers on a scale of 1-5, so it can be known that the description of each indicator is as follows:

Variable Position Variable Minimum Maximum Mean **Std. Deviation** 198 CA 45 36.197 5.43317 11 **Exogenous Variables** 90 DT 198 33 70.5303 9.27343 90 RA 198 22 69.2626 11.96915 Mediation Variables 30 SA 198 8 3.96096 24.1061 Endogenous Variables SP 198 35 85 67.6667 8.78219

**Table 1: Description of Research Variables** 

To test the normality of the distribution of data used in the analysis, researchers used statistical tests that have been provided in the Partial Least Square program, namely with the outer model test. According to Avkiran and Ringle (2018) assessing the assumption of normality is met if the Critical Value (skewness) value is smaller than the value of  $\pm 2.00$  and the kurtosis value is not more than 7. It can be seen that neither the number of values in the Skewness column is greater than  $\pm 2.00$  nor is the kurtosis value greater than 7therefore there is no evidence that the distribution of this data is abnormal.





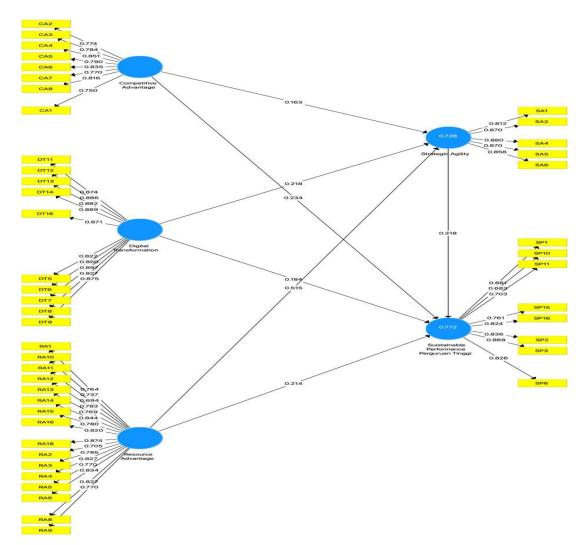


Figure 2: Test Results of PLS Algorithm Modification Procedure

The method to see discriminant validity is to look at the square root value of average variance extracted (AVE) of each construct with the correlation between the construct and other constructs in the model, then it can be said to have a discrimina value.

**Table 2: AVE Test Results** 

	Average Variance Extracted (AVE)
Competitive Advantage	0.635
Digital Transformation	0.753
Resource Advantage	0.621
Strategic Agility	0.737
Sustainable Performance College	0.641

Based on the table, the average variance extracted (AVE) is above 0.50 so it can be said to be valid and can be used to measure each of the latent variables.



0.000

Positive and significant



ISSN 1533-9211

#### 4.1 Discussion of Research Results

Strategic Agility -> Sustainable Performance of Higher Education

This study aims to determine the influence of Competitive Advantage, Digital Transformation and resource advantage on strategy agility and its impact on sustainable performance of universities. The exogenous variables assessed in this research model are Competitive Advantage, Digital Transformation and Resource Advantage. Meanwhile, the endogenous variables assessed in this research model are Strategy Agility and Sustainable Performance of universities.

Original Sample (O) T Statistics P Conclusion (|O/STDEV|) Values Competitive Advantage ->Strategic Agility 0.163 1.976 0.049 Positive and significant 0.234 Competitive Advantage -> Sustainable PerformanceCollege 3.415 0.001 Positive and significant Digital Transformation -> Strategic Agility 0.218 2.436 0.015 Positive and significant Digital Transformation -> m Sustainable Performance of Higher Education 2.565 0.011 Positive and significant 0.184 Resource Advantage -> Strategic Agility 0.515 4 695 0.000 Positive and significant Resource Advantage -> Sustainable PerformanceCollege 0.214 1.988 0.047 Positive and significant

**Table 3: Hypothesis Testing Results** 

The Table of values of the inter-construct path coefficient shows the value of the path coefficient for S strategy Agility against Sustainable Performance of 3.673 with a p value of 0.000 (<0.05). This shows that there is a positive influence of Strategy Agility on the Sustainable Performance of universities. Thus the first hypothesis stating that the Strategy Agility program has a positive effect on Sustainable Performance, is accepted.

The value of the path coefficient for college sustainability interaction shows the value of the path coefficient for Competitive Advantage to Strategy Agility of 1.976 with a p value of 0.049 (<0.05). This shows that there is a positive influence of Competitive Advantage on Strategy Agility. Thus the second hypothesis stating that the Competitive Advantage program has a positive effect on Strategy Agility, is accepted. The value of the path coefficient for higher education sustainability interaction shows the value of the path coefficient for Competitive Advantage to Sustainable Performance of 3,415 with a p value of 0.001 (<0.05). This shows that there is a positive influence of Competitive Advantage on Sustainable Performance. Thus the third hypothesis stating that Competitive Advantage has a positive effect on Sustainable Performance, isaccepted. The value of the path coefficient for college sustainability interactions shows the value of the path coefficient for Digital Transformation to Strategy Agility of 2,436 with a p value of 0.015 (<0.05). This shows that there is a positive influence of Digital Transformation on Strategy Agility. Thus the fourth hypothesis stating that Digital Transformation positively affects Strategy Agility, is accepted. The value of the path coefficient for higher education sustainability interaction shows the value of the path coefficient for Digital Transformation to Sustainable Performance of 2,565 with a p value of 0.011 (<0.05). This shows that there is a positive influence of Digital Transformation on Sustainable Performance. Thus the fifth hypothesis stating that Digital Transformation has a positive effect on Sustainable Performance, is accepted. The value of the path coefficient for college sustainability interaction shows the value of the path coefficient for Resource Advantage to Strategy Agility of 4,695 with a p value of 0.000 (<0.05). This shows that there is a positive







influence of Resource Advantage on Strategy Agility. Thus the sixth hypothesis stating that Resource Advantage has a positive effect on Strategy Agility, is accepted. The value of the path coefficient for higher education sustainability interaction shows the value of the path coefficient for Resource Advantage to Sustainable Performance of 1,988 with a p value of 0.047 (<0.05). This shows that there is a significant positive influence of Resource Advantage on Sustainable Performance. Thus seventh hypothesis stating that Resource Advantage has a positive effect on Sustainable Performance, is accepted.

#### 4.2 Discussion of Research Results

This Study aims to determine the influence of competitive advantage, digital transformation and resource advantage on strategy agility and its impact on the sustainable performance of universities. The exogenous variables assessed in this research model are competitive advantage, digital transformation and resource advantage. Meanwhile, the endogenous variables assessed in this research model are strategy agility and sustainable performance of universities. Based on the discussion above, one by one the Determinants of Sustainable Performance of Regional Universities LLDIKTI III with Strategic Agility as a Mediating Variable (Review of Organizational Commitment Analysis, Competence and Performance) explained as follows:

#### 1. The Effect of Competitive Advantage on Strategic Agility

The results of this study show that competitive advantage factors with strategic agility have an influence on the sustainability of an organization. Based on the test results on the effect of competitiveadvantage on strategic agility has a path coefficients value of 0. 163 which is close to the value of +1, the value of T-Statistic 1.976 (>1.96), and the value of p-value 0. 049 (<0.05), so it can be concluded that the first hypothesis (H1) is accepted and competitive advantage has a positive and significant effect on strategic agility. It can be concluded that the level of competitive advantage that a university has can encourage strategic agility or agility of strategy in a university. This ability is a source of competitive advantage, where in facilities at universities and faculties in universities have used websites or social technologies to realize competitive advantages, besides that the faculty also has operator services, provides e-learning classes, strives for a sense of communication , set an agenda of routine competency activities, provide media for various knowledge, provide the creation of internationalization culture, hold international cooperation and provide international programs

#### 2. The Effect of Digital Transformation on Strategic Agility

Based on the test results on the influence of digital transformation on strategic agility, there is a value of path coefficients of 0. 218 which is close to the value of +1, the value of T-Statistic 2,436 (>1.96), and the value of p-value 0. 015 (<0.05), so it can be concluded that the second hypothesis (H2) is accepted and digital transformation has a positive and significant effect on strategic agility. It can be concluded that the high level of digital transformation owned by a university will further encourage strategic agility in a university.





#### 3. The Effect of Resource Advantage on Strategic Agility

Based on the test results on the effect of resource advantage on strategic agility, there is a value of path coefficients value of 0. 515 which is close to the value of +1, the value of T-Statistic 4.695 (<1.96), and the value of p-value 0. 000 (>0.05), so it can be concluded that the third hypothesis (H3)is accepted and resource advantage has a positive and significant effect on strategic agility. It can be concluded that the high level of resource advantage that a university has, cannot encourage strategic agility in a university. This is because in efforts to develop strategic agility, resource excellence is not the main factor where an important concern is innovation which is the main determining factor in strategic agility. A highlevel of unemployment if you have good resources, of course, it will strengthen to take quick actions in order to maintain sustainability in universities, besides that resource advantage is also needed highinnovation to be able to compete with other universities. It can be concluded that there are other driving factors such as innovation to create resource excellence that can increase strategic agility. Because the superiority of resources directly affects the strategic agility of universities.

### 4. The Effect of Competitive Advantage on Higher Education Sustainability Performance

Based on the test results on the effect of competitive advantage on the sustainable performance of universities, there is a value of path coefficients of 0. 234 which is close to the value of +1, the value of T-Statistic 3.415 (>1.96), and the value of p-value 0. 001 (<0.05), so it can be concluded that the fourth hypothesis (H4) is accepted and competitive advantage has a positive and significant effect on the sustainable performance of universities. It can be concluded that the high level of competitive advantage that a university has will further encourage the sustainable performance of the university.

#### 5. The Effect of Digital Transformation on College Sustainable Performance

Based on the test results on the effect of digital transformation on Sustainable Performance, universities have a path coefficients value of 0.184 which is close to the + 1 value, a T-Statistical value of 2,565 (>1.96), and a p-value of 0.0111 (<0.05), so it can be concluded that the fifth hypothesis (H5) is accepted and digital transformation has a positive and significant effect on the Sustainable Performance of universities. In the findings of this study, it was produced that digital transformation in universities can realize sustainable university performance can be done with several activities, including: conducting routine work monitoring activities, doing work through digital devices that do not use paper in the process, implementing ERP systems, conducting digital marketing; using the system in processing error data. It can be concluded that digital transformation can encourage sustainable performance in universities. The results of this study are in line with research conducted by Abu Khalifeh and Som (2013) and Nasomboon (2014) which found that digital transformation has a positive and significant effect on the Sustainable Performance of universities.





#### 6. The effect of Research Advantage on College Sustainable Performance

Based on the test results on the effect of resource advantage on Sustainable Performance, universities have a path coefficients value of 0.214 which is close to the +1 value, the T-Statistical value of 1,988(>1.96), and the p-value of 0.047 (<0.05), so it can be concluded that the sixth hypothesis (H6) is accepted and the resource advantage has a positive and significant effect on the Sustainable Performance of the college. It can be concluded that the high resource advantage of a university will further encourage the sustainable performance of the university.

#### 7. The Effect of Strategic Agility on Sustainable Performance of Higher Education

Based on the test results on the effect of strategic agility on Sustainable Performance, universities have a path coefficients value of 0.318 which is close to the value of +1, the value of T-Statistic 3. 673 (>1.96), as well as a p-value of 0.047 (<0.000), so it can be concluded that the seventh hypothesis(H7) is accepted and strategic agility has a positive and significant effect on the sustainable performance of universities. It can be concluded that strategic agility can encourage the sustainable performance of universities. The concept of strategic agility also poses challenges for universities, as in today's digital economy that seeks to be ahead of the competition, very digitally agile (Ndlovu and Mariussen, 2015). The whole concept of competitive advantage and agility suggests that colleges that can maintain leadership in front of predecessors who develop in ambiguous situations and are able to cope with the fluidity of change, always ride the peaks of market change in front of their peers and often in front of consumer preferences, one of the ways to maintain competitive advantage and stay in the lead is to systematically leapfrog the competition (Ndlovu and Mariussen, 2015).

#### 5. CONCLUSION AND RECOMMENDATIONS

#### 5.1 Conclusion

The research conducted aims to analyze the factors that determine or influence the Determinants of Sustainable Performance University (Private University) Region LLdikti III with Strategic Agility as a Mediating Variable. The findings in this study show that out of the ten hypotheses that have been proposed, all hypotheses are supported

Strategic agility affects the sustainable performance of universities, where when
universities have highstrategic agility, sustainable performance can directly increase.
The concept of strategic agility also poses challenges for universities, as in today's
digital economy that seeks to be at the forefront of the competition, very digitally agile.
The whole concept of competitive advantage and agility suggests that colleges that can
maintain leadership in front of predecessors who thrive in ambiguous situations and are
able to cope with the fluidity of change, always ride the pinnacle of market change in
front of their peers and often in front of consumer preferences, one way of maintaining
competitive advantage and staying in the lead.







- 2. Competitive advantage affects strategic agility, where when universities have a high competitiveadvantage, they can directly form strategic agility that is able to adaptively compete with universities. In addition, of the three existing factors, competitive advantage is the factor that has the greatest influenceon strategic agility. It can be said that the management of universities is an effort by universities to keepup with the times, requiring a standardization to maintain the sustainability of their performance. Standardization is a reference to all management carried out by universities, all universities must meet the standardization that has been set in order to continue to maintain their existence.
- 3. Competitive advantage affects the Sustainable Performance of universities, where when universities have a high competitive advantage, they can directly improve sustainable performance. Competing competition is a condition that universities have that exceed their competitors. So that universities can assets, capabilities, organizational processes, college attributes, information, knowledge and others that are controlled by universities that allow universities to understand and implement strategies to increase the efficiency and effectiveness of universities.
- 4. Digital transformation affects strategic agility, where when universities have decided to switch to digital transformation, it can directly form strategic agility that is able to adaptively compete with universities.
- 5. Management in the management of digital transformation is an integral component and cannot be separated from the overall educational process, without good management it is impossible for educational goals to be realized optimally, effectively and efficiently. This concept applies to every educational institution or institution that requires effective and efficient management. The effective andefficient intention is to be effective and effective. That is, that the management that managed to achieve the goal with the saving of labor, time and costs. Likewise, a good educational process requires adequate facilities and infrastructure or facilities, either directly or indirectly.
- 6. Digital transformation affects Sustainable Performance, where when universities have decided to switch to digital transformation, it directly improves sustainable performance. Of the four factors that affect sustainable performance, digital transformation is the biggest factor in influencing the sustainable performance of universities. In light of the challenges of digital transformation and the need to keep their industries competitive, college leaders must formulate and execute strategies that include the implications of digital transformation and drive towards better operational performance. Universities need digital transformation oriented towards innovation and creativity to remain competitive.
- 7. Resource advantage affects strategic agility, where universities that have superior resource advantages, will produce innovations in doing their work. In addition, a factor that is no less important to maintain the sustainability of higher education is innovation in the use of technology, so that it can lead to the implementation of strategic agility.







Competitive competition can be understood by instilling an understanding that universities are made up of heterogeneous and immovable elements. To maximize competitive advantage, universities must meet four criteria, namely valuable, rareness, inimitability and nonsubstitutability. Based on Barney stated that the perspective of Resource-Based Theory, firm resources include all assets, capabilities, organizational processes, attributes of universities, information, knowledge, and others that are controlled by universities that allow universities to understand and implement strategies to improve the efficiency and effectiveness of universities Resource advantage affects the sustainable performance of universities, where when universities have high resource advantages, sustainable performance can directly increase. The valuable power possessed by a large number of competing universities cannot be regarded as a source of competitive advantage or continuous competitive advantage. Colleges enjoy a competitive advantage when implementing value creation strategies not simultaneously implemented by a large number of other universities. If the resources of a particular collegeare valuable to belong to a large number of colleges, then each of these colleges has the ability to plot resources in the same way, thus implementing a general strategy that does not give one college a certain competitive advantage

From the results of research and hypothesis tests that have been carried out by researchers, it was found that there is competitive advantage, resource advantage, and digital transformation, which are important factors in influencing sustainability performance in private universities in the LLDikti III Jakarta area, this can happen because to maintain the sustainability of a university so that it can compete with foreign universities that enter to the capital and in order to survive with good quality will be influenced by the excellence of each university itself and reliable digital transformation, besides that every high school in competing should have a superior product of choice of department or faculty offered to the community. In addition, the resource advantage factor is also important in maintaining the sustainability of a university. For the excellence of human resources, it is important for the development and maintenance of a university which will also be supported by the application of adequate information technology. Digital transformation is also important in maintaining sustainability in universities, especially private universities located in the LLDikti III Jakarta area. The most powerful factor in terms of sustainability performance is the variable resource advantage. Meanwhile, Strategic agility is a good mediator between competitive advantage, digital transformation, and resource advantage to sustainability performance

#### 5.2. Recommendations

Based on the results of the study, the following are some implicative suggestions that can be implemented byuniversities in the LLDikti III region as follows:

- 1. The importance of digital transformation in an effort to maintain the sustainability of private universities, especially universities, one way is to innovate blended learning in higher education, especially in private universities located in the LLDikti III Region.
- 2. High education is expected to pay attention to the competitive advantage factor which can be realized by holding international cooperation which is expected to be a strategy







for universities to maintain sustainable performance to maintain higher education competition.

- 3. High teachers should pay attention to the resource advantage factor, by developing new methods in work so that they can still compete with competitors, especially those who must pay attention to the amount of costs incurred to be more efficient.
- 4. We recommend that higher education pay more attention to the strategic agility factor by making innovations such as redeployment strategies or reassignment mutations to fill new positions, which can be used as a quick way to maintain the sustainability of the university.
- 5. The Ministry of Cultural Education, Research and Technology, in order to consider several factors related to factors that can improve the sustainability of higher education performance so that it is expected that the quality of performance of universities, especially private universities in the LLDIKTIIII region, will continue to increase. One of the variables of concern is strategic agility to maintain the sustainability of performance in universities, so that it can compete with other universities in Indonesia.
- 6. Universities, especially universities in the LLDikti III Region, can build strategic agility as a means to innovate business models and influence college performance. College meetings are considered a response to organizational change and to increase competitive activity. In fact, agility is recognized as a new paradigm for competitive organizations and colleges. Strategic alignment is a central element of strategic planning, the process by which an organization develops and implements a competitive long-term strategy in which internal resources are integrated into external opportunities.

#### **5.3 Manager Implications**

The results of this study provide new thought proposals for private universities in the LLDikti III regionin maintaining the sustainability of universities, and if possible can be practiced in other LLDikti regions in Indonesia. The existence of a private higher education in Indonesia, especially in the LLDikti III area, is currently directed at improving the quality and effectiveness and efficiency of higher education institutions. Therefore, the management of higher education in Indonesia as an extension of the government bureaucracy is time to be directed at efforts to maintain the sustainability of higher education itself (sustainability performance) by paying attention to several supporting factors including competitive advantage, digital transformation, resource advantage and also strategic agility.

There is a better program in maintaining the existence of universities and maximizing their roles and responsibilities in advancing the implementation of modern higher education so that they can competewith foreign universities entering the capital.

To maintain the sustainability performance of universities, they can apply reliable information technology, considering that currently the development of the world of education is quite strict.





#### **5.4 Novelty**

Based on the results of the research conducted, there are several important things that can contribute to the proposal of new thoughts that are beneficial for private universities located in the LLDikti III Jakarta area in the development of sustainability performance strategies, contributing to new thinking in creating competitive advantage in higher education with strategic agility variables, which can be described below.

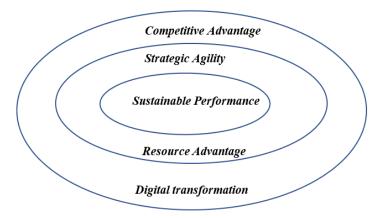


Figure 3: Development of a Conceptual Thinking Framework

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