

Impact of Online Learning and Utilization of Websites as Learning Media on the Development of Social Interaction for Students of Economic Education Study Program Stambuk 2017 Universitas HKBP Nommensen Medan FY 2021/2022

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Abstract

This study aims to determine the impact of online learning and the use of websites as learning media on the development of social interaction of students of the 2017 Economics Education Study Program, HKBP Nommensen University, Medan in the 2021/2022 academic year. This type of research is a type of survey research with a quantitative approach. The population in this study were all students of 2017 University HKBP Nommensen Medan. The analytical method used in this study is the normality test of multicollinearity test, multiple linear regression analysis, partial t hypothesis test, and simultaneous hypothesis testing (f). The results showed that online learning and the use of websites as learning media had a positive and significant effect on the development of student social interactions which showed that the value of $f_{count} > f_{table}$ was $14.865 > 3.28$ and a significant value of $0.00 < 0.05$. Based on the results of the f test, it can be concluded that online learning and the use of websites as learning media together have a positive and significant impact on the development of social interaction of students of the 2017 Economics Education Study Program, University of HKBP Nommensen Medan for the 2021/2022 academic year.

Keywords

impact of online learning;
utilization website as a media;
learning against development;
Social Interaction



I. Introduction

Recently, the government through the Ministry of Education and Culture issued a policy in the form of online/online learning instructions for all schools or universities to prevent the spread of the corona virus (covid-19). This online learning program is an alternative that is currently used by every university to carry out the teaching and learning process even though it is not face-to-face. This alternative helps reduce the spread of the COVID-19 virus and helps to ensure that educational goals can be implemented effectively and efficiently.

Online learning is very helpful for lecturers and students in carrying out learning activities (lectures). Lecturers as learning facilitators must be able to provide learning facilities and media to facilitate students' learning. Lecturers must be able to use and develop information technology professionally which is implemented in learning. Through the implementation of information and communication technology, especially website media via the internet, the learning process is expected to be more student-centered so that learning outcomes will increase.

Online learning is a method of education whereby students learn in a fully virtual environment. First introduced in the 1990s with the creation of the internet and utilized in distance learning, online learning (also called e-learning) is most prevalent in higher education, enabling students from different geographical areas to engage with an academic institution and other students online and learn flexibly, at their own pace, while working towards a degree or certificate.

Online learning refers to an internet-based learning environment that can connect students of diverse backgrounds who boast different perspectives. A higher education institution will use a learning management system, or LMS, to facilitate online learning, which can take the form of asynchronous learning (where students are not required to be online at the same time, and utilize discussion threads and e-mails to complete coursework) or synchronous learning (where students must be online at the same time).

Website-based learning media contains information, knowledge, learning, entertainment and becomes a means for students to carry out learning activities (reading, observing, trying, doing questions, answering questions and others). With the use of website media, students can learn and search for the desired information via the internet, simply by entering the keywords they want to know, the search process will be carried out and students can learn online.

Based on the results of research experienced by students of the 2017 Stambuk Economics Education Study Program, University of HKBP Nommensen Medan during online learning and the use of websites as learning media on the development of student social interactions. From the observations, the researchers found that the online learning method is one-way. This causes the interaction between lecturers and students to be reduced so that it is difficult for students to get further explanations about material that is difficult to understand.

In addition to the reduced student social interaction, the researcher also observed a lack of student understanding of the material during online learning due to different levels of understanding. Some students can grasp the material faster just by reading, but there are also those who need more time to really understand. There are even those who need explanations from others in order to understand the material being studied. In addition, researchers found problems in the lack of supervision in learning. Lack of supervision in conducting online learning makes students sometimes lose focus. With the ease of access, some users tend to procrastinate studying.

The results of this study are in line with previous research conducted by Niken Bayu Argaheni (2020) on "The Impact of Online Lectures During the Covid-19 Pandemic on Indonesian Students." It can be concluded that online learning has several impacts on students, namely online learning still confuses students, students become passive, less creative and productive, accumulation of information/concepts on students.

According to Ericha Windhiyana Pratiwi (2020) regarding "The Impact of Covid-19 on Online Learning Activities at an Indonesian Christian College" based on the results of interviews, online learning activities at this University have been effective by utilizing the Zoom, Google Classroom, Schoology, and Edmodo applications. Obstacles in carrying out online learning are mostly the problem of an internet connection that is less supportive.

Meanwhile, according to Boedi Oetoyo and Pardamean Daulay (2008) regarding "Social Interaction of Distance Education Students", the results of the Surabaya Open University research can be concluded that one of the obstacles faced by distance learning institutions is the lack of interaction between students and lecturers.

Based on the description above, the authors are interested in knowing the impact of online learning and the use of websites as learning media on the development of student social interactions. As experienced by students of the 2017 Stambuk Economics Education Study Program, HKBP Nommensen University, Medan.

II. Review of Literature

In the development of the world of education, especially after the rolling reforms, new phenomena have arisen in educational institutions, which are schools that use the term Integrated Islamic Schools (Titik, 2010: 42). The school is essentially aimed at helping parents teach good habits and add good character, also given education for life in society that is difficult given at home. Thus, education in schools is actually part of education in the family, which is also a continuation of education in the family (Daulay in Ayuningsih, W. et al. 2020).

Education is the foundation of a successful career, financial freedom, the ability to think and reason critically and to make informed decisions. Without education we will be limited to perform tasks and we will be ignorant to the things that are happening in and around our surrounding, and according to Martin Luther King, a people without knowledge is like a tree without roots. For education to be of great value, curriculums should be implemented. (Philips, S. 2020)

A good learning is the one which can adapt various student learning styles in order to achieve the learning goals – one of them is digital flipbook. It is an electronic learning media in which text, audio and visuals are included. Flipbook is one of the classic animations made by a piece of paper, mostly found in the form of ‘thick’ book, and each paper aims to describe something – its appearance is designed in some specific ways so that the within objects may move or pop-up when opened (Nafiah in Afwan, B. et al, 2020).

III. Research methods

The Likert scale survey method was used in this study, namely by distributing questionnaires to 37 students. This method is used because it is suitable for exploring student perceptions. The Likert scale survey method is a quantitative research method to get answers to strongly agree, agree, disagree and strongly disagree.

IV. Results and Discussion

Overall the online learning group got a value of 3.30 so it can be said that the online learning of the 2017 Stambuk Economics Education Study Program at HKBP Nommensen Medan University was classified as very good, the overall group using the website as a learning medium got a score of 3.44 so it can be said that the use of the website as learning media for the 2017 Stambuk Economics Education Study Program, HKBP Nommensen University, Medan is classified as very good, and the overall development of student social interactions gets a score of 3.46 so it can be said that the development of social interaction of students of the 2017 Stambuk Economics Education Study Program, HKBP Nommensen University, Medan is classified in the very good category.

Based on the results of the normality test, it is known that the questionnaire data on the use of website-based learning media, pre-test and post-test learning outcomes are normally distributed. Based on the results of the multiple linear regression equation, namely $Y = 20.082 + 0.260 X_1 + 0.595 X_2$. This means that the coefficient of online learning variable

(X1) = 0.260, meaning that if the online learning variable increases by 1%, the development of student social interaction will increase by 26%.

The variable coefficient of the use of the website as a learning medium (X2) = 0.595 means that if the variable of using the website as a learning medium increases by 1%, the development of student social interaction is 59.5%.

The results of testing the online learning hypothesis, obtained $t_{count} > t_{table}$ (2,087 > 2.032) and the significant value of online learning is $0.04 < 0.05$. So it can be concluded that there is a positive and significant impact between online learning on the development of social interactions for students of the 2017 Stambuk Economics Education Study Program, HKBP Nommensen University, Medan for the 2021/2022 academic year. Next based on the result hypothesis testing of the use of websites as learning media where the value of $t_{count} > t_{table}$ (3.485 > 2.032) and the significant value of using the website as a learning medium is $0.001 < 0.05$. So it can be concluded that there is a positive and significant impact between the use of the website as a learning medium on the development of social interaction for students of the 2017 Stambuk Economics Education Study Program, HKBP Nommensen University, Medan for the 2021/2022 academic year.

V. Conclusion

Based on the results of research on "Impact of Online Learning and Utilization of Websites as Learning Media on the Development of Social Interaction of Students of Economic Education Study Program Stambuk 2017 Universitas HKBP Nommensen Medan Academic Year 2021/2022", it can be concluded that:

1. The results of the multiple linear regression equation obtained are $Y = 20.082 + 0.260 X1 + 0.595 X2$, which means that online learning and the use of websites as learning media have a positive and significant impact on the development of social interactions for students of the 2017 Stambuk Economics Education Study Program, University of HKBP Nommensen Medan for the academic year 2021/ 2022.
2. The results of the partial hypothesis test (t test) state that there is a positive and significant influence between online learning on the development of student social interactions. Furthermore, the results of partial hypothesis testing (t test) stated that there was a positive and significant effect between the use of websites as learning media on the development of student social interactions.
3. The results of the simultaneous hypothesis test (f test) state that there is a positive and significant effect between online learning and the joint use of the website as a learning medium on the development of social interaction of students of the 2017 Stambuk Economics Education Study Program, HKBP Nommensen University, Medan in the 2021/2022 academic year.

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