Analysis Of Online Learning On The Effectiveness Of Student Learning Of Dirgantara Marsekal Suryadarma University

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Abstract: Development in various sectors is closely related to the development of information and communication technology. Advances in technology and information are closely related to the development of the education sector in a region, country or world. Various changes in the field of education include easy access to information and learning materials, the introduction of digital learning and the use of diversity in learning. Digital learning requires the development of digital materials that use several learning methods, namely multimodal. The purpose of this journal is to determine the effectiveness of online education on students' academic achievement. Learning outcomes are process-based studies of student learning outcomes. An education system is considered successful when the teaching and learning process brings goodness, knowledge, perseverance and intelligence into the classroom, as well as successful teaching and focus on the learning outcomes achieved by students. Opportunities and a positive attitude to lead to behavior change. The lack of effective online education is related to studentswho suddenly switch from traditional education to online systems, are not fully prepared and face many obstacles during the transition period. Many people today find such elements in education. Most of them do not know or do not know how to do online education for teachers, lecturers or students, thus affecting the success of the course. Most respondents expressed satisfaction with online learning, especially for students who are already working or have families so that they can divide time for online lectures and with daily routines.

Keywords: online, learning, effectiveness, learning

INTRODUCTION

Education means a conscious effort to prepare students for their future roles through guidance, teaching, and training. Learning activities are part of a broader educational program, the implementation of which must be implemented effectively and sustainably (Mola, Nurul and Umme, 2020). The Indonesian government must be able to ensure the continuity of educational

activities during the pandemic through various policies and best practices in accordance with health regulations to protect the mental health and safety of teachers, lecturers, and students.

Circular Letter of the Ministry of Education Number 4 of 2019 concerning the Implementation of Education Policy during the Corona Virus (COVID-19) Emergency Period announced by the Government as a step forward. Become; One of the best teaching strategies is to make teaching and learning online, at home or distance learning to prevent the spread of the virus on campus. Based on this government policy, many students are required to apply for academic jobs. In fact, many education startups such as Ruang Guru, Zenius, Quipper, and Smart Point have also supported government policies by offering free services amid the COVID-19 pandemic.

Teaching methods need to change. After the initial face-to-face training, the entire implementation was carried out online. Indeed, e-learning is no stranger to academic activities in universities, especially those carried out through online or distance learning, although it has not been utilized properly. And this is only applied by a few universities. When implementing the e-learning process, many considerations are given to the use of certain media. Various platforms offer more popular alternatives such as the use of Zoom, Google Meet, e-learning and others.

This change in educational model has special consequences for students. The introduction of dynamic and continuous e-learning brings new challenges such as network congestion, limited costs to obtain and implement internet rights, weaknesses and limitations of educational standards that must be available to students. In addition, the availability of technological devices in classrooms to support the learning process, the ability of teachers and instructors to utilize technology is also a problem that needs to be addressed wisely. Because all that leads to a good education.

Internet is an abbreviation of the word Inteconnected Network which means a computer network system that is globally interdependent by using internet protocol packets (TCP / IC) to connect devices around the world. Bold Learning is learning to interact with computers and the internet. Bold learning is the use of online teaching and learning strategies to achieve ambitious goals.

Bold learning is learning that uses online networks that have the potential to create discovery, communication, authenticity, and diverse learning relationships. The use of Internet and multimedia content can change the way knowledge is delivered and represent an alternative learning experience to traditional classrooms. A curriculum that can bring students and teachers together to create online learning connections.

Bold learning is expected to be a driver for the development of new technology-based teaching practices that replace actual classroom learning. In traditional education, students tend to only consider their environmental conditions but do not play an active role in their environment. Active learning can increase the role of students in the learning process. Automated managed learning tools are available through organizations with learning management systems and through third parties such as social media platforms. Bold use of learning can improve communication and learning productivity, as it can help students interact more effectively with teachers and friends and access more learning materials.

One institution that offers online learning is Dirgantara Marsekal Suryadarma Univesity. Therefore, the author made the title **"Analysis Of Online Learning On The Effectiveness Of Student Learning Of Dirgantara Marsekal Suryadarma University"**

Problem Statement
1. How does online learning affect student learning?
2. How effective is online learning for Unsurya students?

RESEARCH METHODS

This research uses a qualitative approach. Qualitative research method is a research method based on positivism or philosophy of interpretation, where theauthor makes a major contribution in the analysis of natural phenomena, the data collection method is triangulation (combined observation, interviews, documents), data collection obtained is a type of data data analysis, inductive / qualitative and qualitative research focuses on understanding meaning, understanding differences, processing experience and exploring hypotheses. Research design is a sequential process that provides a complete picture of data planning, implementation, collection, analysis, and interpretation of data from the beginning of the research to the end of the study. The results of determining the problem formulation in the form of research questions will be analyzed by the right people to determine where and from whom information can be obtained. Furthermore, it is necessary to conduct a literature review to find information, theories and basic guidelines in studying these problems

Source and output data sets. In addition, data collection is carried out using three methods, namely. interviews, observations and literature research during this period. For this reason, it is necessary to obtain as much information as possible and improve the quality and reliability of data. During the study, theauthors used interview strategies, observation strategies, and questionnaires that had been prepared in advance. Qualitative research is conducted before entering the field, during and after fieldwork. This data analysis method relies on interviews, observation, and document analysis to initiate data collection, and the resulting data follows the principles of data handling in qualitative research. Research The participants in this study were Unsurya students.

DISCUSSION

The impact of this pandemic has an impact on lives. One of the characteristics of this pandemic is its great impact on the functioning of the education sector. This is not only happening in Indonesia, but also throughout the world. The negative impacts of COVID-19 in this study include the closure of kindergartens, elementary schools, as well as junior and senior high schools as well as higher education. The Indonesian government has instructed the Ministry of Education, Culture, Research, and Technology of the Republic of Indonesia to implement a learning policy in the classroom. Infrastructure can use it to reach participants, reducing barriers to remote education and training. In connection with these developments, the Ministry of Education, Culture, Research, and Technology of the Republic of Indonesia approved epidemic management policies in educational institutions.

Effectiveness is a broad concept that encompasses many activities inside and outside the organization. Effectiveness generally reflects the extent to which a predetermined goal has been achieved. He said, "effect comes from the word 'effect' and uses that word as cause and effect." Performance can be seen as cause and effect of other variables. "Achievement, on the other hand, is the general definition of success looking at the level of results in a way that imposes the results achieved. Meanwhile, according to Supardi, success is a measure.

The term online is short for "on-line", which is an activity carried out through an online system using the internet. "Online learning is an online learning course program to reach a wider and wider group". On the other hand, Rosenberg posited that e-learning refers to the use of Internet technology to provide various solutions that improve knowledge and skills.

3 years have passed since the COVID-19 pandemic brought many changes in many fields, both in the fields of society, culture, economy, especially in the field of education. It is important to remember that every change made will always have consequences, both positive and

negative. Due to the COVID-19 pandemic, primary and secondary school classes are taught online or offline. Education is a conscious and practical process through which a person prepares and develops within himself such abilities as spiritual strength, self-control, ethics, intelligence, noble character, and knowledge. Education is one of the most urgent aspects in all elements of human life and students must be actively involved in the process of creating future humans. To create this environment, the learning process is not easy, since the last 2 years the education process has been carried out online, Information and Communication Technology is very important in the teaching and learning process.

Online learning is a learning process between teachers and studentsusing online media and not face-to-face. Mahasiswa has a place where they can engage in learning without time limits, but teachers also need to make sure studentsare on the right track. This online system has many advantages both in terms of nature and circumstances during the pandemic, including:

1. Internet technology provides easy access to everything including knowledge and learning materials. Technology allows students to have unlimited access to information without having to visit the library through online library access, online library, and online library.
2. Time is flexible, students can explain anytime and anywhere. In addition, students can repeat indefinitely.
3. Expanding science. Higher education is actually about adding knowledge, not gaining knowledge from books. By using this online system, some studentscan access educational information online without class time restrictions.

The disadvantages of online learning include:

1. Internet access is limited. Maybe students who live in urban areas do not consider internet connectivity as an obstacle to learning, but what if their internet literacy is lower than studentswho live in rural areas, namely internet connection problems
2. Lack of communication and cooperation. Learning at home or online allows students and teachers less direct communication and less association with teachers and friends. He worries that this will lead to incomplete development of a person as a person without adequate comparison with others.
3. The content is difficult to understand. Each student has their own way of understanding a subject, and there are also students who may understand lessons online or in person. In addition, some scientific materials are difficult to understand without direct interaction in the learning process, namely material that requires direct practice.

Changes due to advances in science and technology in various fields of life, especially educational advances. Several changes will affect the future progress of education, including information technology and increased competition in the workplace, which is characterized by the development of new technologies that require advanced skills. Therefore, educational change must take place constantly and is a never-ending process. Information and communication technology-based education is one example of the impact of education reform aimed at improving educational outcomes.

Teachers carry out the learning process by assessing the use of curriculum in relation to the nature of learning. A successful learning process requires constant development, improvement, and change. With today's technological advancements, the use of the internet for education, including e-learning, is becoming increasingly common. Online learning, often also referred to as e-learning, is a form of learning that combines traditional learning methods with technology.

Based on respondents' responses to questions regarding online learning, positive and negative aspects of each item were obtained.

The positive aspects of online learning include: 1) students who are already working and have families can divide time for insight development and can carry out responsibilities to work and family. 2) For students who are outside the city can continue to follow the learning so there is no need to pay additional costs for purchasing tickets or rental costs.

The negative aspects of online learning include: 1) obstruction of the flow of direct communication so that misunderstandings are more likely. 2) Students and lecturers do not know each other well .

CONCLUSION

The rapid development of information and communication technology has a significant impact on life, especially education. The point is very clear. Changes brought about by advances in science and technology at various stages of life have had a significant impact on the growth of education. Therefore, education and training reform must continue and never end. The rapid development of information and communication technology has a significant impact on life, especially education. Therefore, online learning at UNSURYA has been effective considering the qualified lecturers and the interaction between lecturers and students is going well.

SUGGESTION

There needs to be improvements to online education which is considered less effective in order to have a positive impact on the development of student autonomy. Mahasiswa agrees that the online learning process helps them become more active and independent problem solvers.

REFERENCE

Lukma, H. N., & Nurjanah, N. (2022). Pengaruh Perkuliahan Daring terhadap Efektivitas Pembelajaran Ilmu Keteknikan Mahasiswa. *Almufi Jurnal Pendidikan*, *2*(3), 141-147.

Rovi, M., Pratama, A. R. I., & Hidayat, T. (2022). Analisis Faktor-Faktor yang Mempengaruhi Capaian Pembelajaran Mahasiswa Selama Perkuliahan Daring di Masa Pandemi Covid-19. *JATISI (Jurnal Teknik Informatika dan Sistem Informasi)*, *9*(3), 2163-2175.

Ferdiansyah, A., Mukmin, M. N., & Susandra, F. (2022). Efektivitas Pembelajaran Mata Kuliah Pengantar Akuntansi Berbasis Digital Pada Perspektif Dosen Akuntansi (Studi Kasus Pada Perguruan Tinggi Di Bogor). *Karimah Tauhid*, *1*(1), 135-150.

Nurfaizah AP, N. A. (2022). Efektivitas Pembelajaran Penddikan Pancasila Berbasis Daring Terhadap Partisipasi Mahasiswa PGSD. *Jurnal Publikasi Pendidikan*, *12*(1), 67-74.

Setyo, A. A., Layn, R., & Trisnawati, N. F. (2022). Efektivitas Pembelajaran Geometri Analitik Memanfaatkan bahan Ajar Digital Multimodal. *Jurnal Pendidikan dan Pembelajaran Matematika Indonesia*, *11*(2), 98-105.

Nurhayati, F., Wibowo, S., & Febriyanti, I. (2022). Evaluasi Pelaksanaan Pembelajaran Daring dan Hasil Belajar Mahasiswa pada Masa Pandemi Covid-19. *Jurnal Porkes*, *5*(1), 79-93.

Al Fitri, A., Hasnida, I. S. D., & Supartini, E. (2022, April). Penerapan Analisis Faktor Terhadap Efektivitas Pembelajaran Online Mahasiswa FMIPA UNY Selama Pandemi Covid-19. In *Prosiding Seminar Pendidikan Matematika dan Matematika* (Vol. 5).

Abdillah, R., Nugraha, A. C. W., & Sarasati, B. (2022). Efektivitas Pembelajaran Daring Mata Kuliah Metodologi Penelitian Kualitatif pada Mahasiswa. *Jurnal Basicedu*, *6*(1), 407-414.

Puspasari, H., Puspita, W., Maulidia, N., & Jubri, J. (2022). Analisis Efektivitas Pembelajaran Farmasetika Apotek Secara Daring dengan Metode Google Classroom pada Mahasiswa Tahun 2020. *Jurnal Farmasi Sains dan Terapan*, *9*(1), 49-52.

Prisuna, B. F., & Rahnang, R. (2022). Persepsi Mahasiswa PIAUD terhadap Efektivitas Pembelajaran Daring pada Masa Pandemi di IAIN Pontianak. *SELING: Jurnal Program Studi PGRA*, *8*(1), 37-53.