

Video Website and Peer Tutoring to Improve Student Academic Literacy Skills

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Abstract—The level of student literacy skills greatly influences student ability. Literacy skills are considered very important because students are deemed to have good knowledge and skills. Utilizing academic literacy will invite many positive impacts in learning activities. However, if students do not have academic literacy skills, they will be left behind. This article aims to reveal the importance of academic literacy and video, websites, and peer guidance in improving student academic literacy. This article was written using the literature study method related to videos, websites, and peer tutors in enhancing students' literacy. In the end, this article reveals that the proper and correct use of videos, websites, and peer tutors can influence students in utilizing literacy sources for various purposes.

Keywords—Peer Tutoring, Skills, Student Literacy, Video, Website

I. INTRODUCTION

The rapid progress of science and technology certainly has an impact on all human activities [1]. Every human need seems to be inseparable from science and technology. According to Obschonka and Audretsch, the rapid development of technology has an impact on the economic, health, and social fields and in the field of education [2]. In the world of education, facilities and infrastructure of educational resources are needed, which aim to facilitate implementing teaching and learning so that it is expected to be more effective. Of course, various efforts are required to develop each student's abilities by utilizing technological advances [3]. As Brali [4] said that having ICT skills must, of course, be accompanied by an understanding that ICT advances must be used positively, one of which is by improving learning outcomes.

Technological advances in education as a medium of exploration certainly have a role in achieving national education goals. Presentation of information in a different nuance regarding learning can change learning, which usually students only hear, see, and imitate what educators say from textbooks. Still, with the presence of technology, the flow of information that students will receive will increase more widely through various other interactive media. In the end, students will be able to build an understanding of knowledge socially, but also, learning is more meaningful [5].

One of the benefits of advances in digital technology, media in the learning process can be applied effectively and efficiently, for example, by using audio-visual models such as learning videos, video tutorials, training videos [6]. By being presented with moving pictures, experimental processes, and seeing various natural phenomena, students can easily understand when repeatedly making observations.

Apart from video media, developing literacy skills in the digital era can also be through website media, or we often hear about the web. Website is a collection of various web pages in a particular domain or subdomain according to the content on the website, including text information, still and moving images, data, illustrations, sound, video, and even a combination of all of them for various kinds. For static or dynamic purposes, according to [7] the media website is very appropriate to support learning because it can be accessed at any time, meaning that it is not limited and continuous, anywhere and can be used by many people. It is hoped that learning can be

carried out intensively and continuously.

To make it easier for students to learn all of the above technological developments, one of the most appropriate methods to use is peer tutoring or peer tutor learning. This method is an alternative to be applied in small groups, which aims to make it easier for each student to learn, improve Clarence's ability, S. (2016). According to [8], it is necessary to form groups in learning so that each student can collaborate, led by students who have academic abilities, which are used as tutors to convey the material that has been mastered. Participants who understand better are the ones who will serve as peer tutors, sometimes some students are more able to understand or accept material when explained by their peers quickly, and in the end, the achievements of the tutors and those being mentored will increase equally. Peer tutors or peers can also be interpreted between students as a method expected to help educators in learning activities.

In the end, the progress of information and communication technology is a necessity. It is a very rapid development that requires every human being, including students, to adapt well, adapt quickly, and always want to learn. Developing literacy skills or processing and identifying various information obtained from the internet either through websites or videos is a must for every student. Sources and ways to get specific details that are increasingly easy and broad must be utilized. On the other hand, a collaboration between students is also expected to accelerate understanding of literacy through various media so that technological advances have more comprehensive benefits and the impact on students' academic abilities can be significantly felt.

II. LITERATURE REVIEW

A. Video and website based literacy

Education has a vital role in improving the quality of human life and developing its potential. In addition to various educational activities or learning, humans can increase knowledge, improve morale, personality intelligence, and skills to be independent and follow developments, including mastering technology. According to [9] the rapid growth of technology can be seen with the emergence of various technology-based human activities, such as e-commerce, e-government, e-medicine, e-laboratory, and of course, e-education, which are all electronic-based.

In a technologically-paced life, various learning media have emerged, considered more exciting, and make students more enthusiastic in learning, one of which is video media. A variety of varied resources are provided, which are captured, recorded, processed and stored, and reconstructed with technology, presented with scenes in electronic images or moving images, as according to [10] by using video which is an alternative means that can be packaged with easy and can be more exciting and can be improved at any

time so that it is expected to optimize learning outcomes.

B. Definition of peer tutoring

Learning. Help other students. The peer tutoring or tutor method is a method that is expected to help educators in learning activities. With this method, students who are better able to complete the task first are then expected to help other students who have difficulty, meaning that there will be appointed or given assignments. According to [18] explaining that the peer tutoring method or peer tutoring is learning that accommodates students with a level of intelligence that is more in line with specific scientific fields or materials in the classroom to assist and guide in providing explanations to their peers who have difficulty understanding the material.

In peer tutoring activities for students, it is an activity that has many benefits, especially a very valuable experience for students. In this activity, they will get new associations through various interactions experienced with their peers, look for multiple roles and develop intellectual skills and concepts.

III. RESEARCH METHOD

The method used in this research is the literature review method, which is discussed systematically, precisely, which can identify, evaluate, synthesize, and fully record the knowledge found by researchers, scientists, and practitioners. This research is sourced from relevant data about virtual media sourced from books, articles, to research journals published from 2011-2019.

The first thing to do is determine the search keywords and then search for data through Google Scholar, Research Gate, Science Direct, and Ebsco. From the search results, it is known that virtual media helps improve the teaching abilities of prospective teachers.

IV. RESULT AND DISCUSSION

A. Results

Technological developments present a website-based literacy information system that stores various data and summaries of teaching materials from multiple scientific fields. According to [11], using websites as learning tools offers various facilities for students and educators to carry out learning anytime and anywhere. According to [12] the design of a website or web engineering is a process carried out to make a website of good quality. The basic concept of web engineering adopts partially or not wholly software engineering whose focus is on activities and settings. Users can access websites that contain various kinds of information in multiple forms through search engines, such as browsers. With the initial display, users can access them through the main page

or home page, in which there are also interconnected web pages.

According to [13] this peer tutoring method is an alternative suitable for application in various scientific fields. Even some experts believe that a learning material can be said to have been successfully mastered when the learner can teach it to others. This is in line with [14] which states that tutors should have exemplary achievements, have good communication skills, have sufficient creativity to guide their friends, can master and deliver teaching materials well, have a friendly personality, be humble and light-hearted, and well received by peers who will be mentored.

B. Discussion

According to [15], the website is a system site that provides various information that can be accessed quickly. It was responding to the rapid development of technology by continuously improving literacy skills or processing, identifying and applying various information obtained from reading and writing activities through various media such as videos or moving images that the sensor can see of sight, sometimes accompanied by audio or introductory sounds that can be heard—heard by the sense of hearing. According to [16] instructional video media is a media that prioritizes sound and images as a force in providing learning material. So with the flow of information that is increasingly easy to obtain and unlimited, it should be used for the benefit of students in increasing the value of their learning outcomes.

The development of technology that each student controls is undoubtedly different. Some are very technologically mastered because they are supported by various facilities, such as a good internet network or sophisticated devices. On the other hand, there are also students who still half understand or don't understand and use technology at all or what we often call the term "Technology", which is technological stuttering. This can be overcome by the peer tutor method. According to [17] peer tutoring means that students act as educators and provide teaching to other students cooperatively and with mutual respect. This means that those who already have more knowledge must share knowledge, as well as those who feel they do not understand technology must be willing to take the initiative to learn. So that the primary academic literacy skills for students by utilizing technological developments through various videos and websites can run optimally and the impact can be felt.

V. CONCLUSION

In increasingly advanced technological developments, learning activities must utilize existing technology so that the knowledge given to students can be more easily understood and not outdated. The academic literacy of students shows an insufficient number. Therefore, efforts are needed to improve it, one of the best efforts in making learning videos,

creating websites, and taking advantage of peer tutoring.

Today's era of technological development allows for a website-based literacy information system. This means that with progress like this, students can improve their academic literacy skills. In this study, we can conclude that learning videos, websites, and peer tutoring is beneficial in improving students' academic literacy skills.

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