

Students' Digital Literacy Skill To Solve Learning Problems

Muh. Idris P1*, Sukardi Weda2, Andi Hamzah Fansury3

¹SDIT Darussalam Makassar, Indonesia ²English Education Departmen, Graduate Program, State University of Makassar, Indonesia ³English Education Departmen, Graduate Program, Universitas Bosowa, Makassar, Indonesia

*E-mail: midrusp@gmail.com

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Abstract. The purpose of this study was to analyze whether these digital skills are able to solve students' problems. Perceptions of students about digital literacy XI OTKP SMK Darussalam Makassar. This research is a qualitative research. data collection technique by using a interview and giving a questionnaire. The researcher took 19 students of class XI OTKP SMK Darussalam Makassar as research subjects. the researcher use questionnaire for 19 students to know about the survey in the impact digital literacy for resolve learning problems. The interview for the 7 students, to know about the students' perception about the Digital literacy in learning process. the student statements above, concluded that digital literacy in education has a positive impact on students, easy access to various kinds of information needed to solve problems, becomes a new habit for students, namely seeking information not only from textbooks or from teachers. Students also become more critical and communicate a lot with their friends about the information they get. Based on the results of the interviews that have been conducted, students answered that the teacher is the main aspect that must provide a comfortable situation in the classroom. This proves that the role of parents and teachers is very important at this stage and Students' statements also express positive things about digital literacy in their learning process

Keywords: Digital Literacy; Students' Problems; Digital Skills



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Introduction

The implementation of teaching and learning process activities cannot be separated from various learning problems. One of them relates to the problem of learning skills. Learning problems are a certain condition experienced by an individual that hinders the smooth learning process. Learning problems experienced by students are closely related to learning skills. Such as, learning time management skills, book reading skills, group study skills, memory skills and resilience in learning, school assignment skills, exam preparation skills etc.

Problems or learning difficulties are also a big homework experienced by students that must be faced by a teacher and parent, in the continuity of the child's learning process. This is also supported by Sahat Siagian (2021), which says that difficulties in the teaching and learning process are of course also influenced by internal factors that come from within the child which includes physical health (disability, hearing loss, short-sightedness, stuttering speech, hand disabilities, handicaps). that cause obstacles in learning that lead to lack of self-confidence, and psychological health (intelligence, training, motivation, talent, emotion, and personality) and is influenced by external factors that come from outside the child, for example family factors including relationships between family members, home atmosphere, socio-economic conditions, parental attention, as well as cultural background and school environmental factors including teaching methods, curriculum, student-teacher relations, student-teacher relationships, school discipline, teaching media, school time, lesson standards, the physical condition of the school, homework and the community environment including activities student engagement in the community, friends to hang out with, forms of community life and others.

Nowadays, students sometimes have difficulty in learning. Especially in accessing media to develop students' thinking from the learning provided. In order to create students who are more creative and innovative in solving the learning problems they experience. In education, digital technology is a tool to facilitate the teaching and learning process between educators or teachers and students. Educators can create ideas and ideas widely, and students can find knowledge with the help of digital technology (Alwi Hilir: 2021). Aside from that, technology, particularly video cameras, may be an excellent tool of improving student achievement and student monitoring (Alim et al., 2022, 2023).

In today's era, it is very necessary for students' creativity in the learning process. Because, this not only supports him to become an outstanding student but also makes him a better person in the future. This is also supported by Winingsih (2020), which states that in the digital era, students are required to have creativity. Especially with the development of technology and information today. With the development of technology and information, it is very easy for daily activities. In fact, now digital media plays an important role in various fields of life. Such as health, economy, to education.

Digital literacy is important in the learning environment because digital literacy enables students to move according to the times. Digital literacy encourages mastery of technology. This will be very useful in the future. Digital literacy is also able to develop the world of education. Improved digital literacy will open access to wider information. In this way, the quality of the education sector can be improved. However, many educational institutions have not fully embraced digital literacy as a basic literacy equivalent to reading, writing, and arithmetic (Coffin Murray & Pérez: 2017).

Digital literacy allows one's participation in social networks to create and share knowledge and supports various professional computing skills (Josie et al., 2018). Digital literacy will create a society with a critical-creative mindset and views, so that they will not be easily deceived by digital-based ones such as being victims of hoax information. Because, as we see today, not only ordinary people but also students and educators often find news that is not true and they are also involved in it, namely believing. So that this digital literacy will provide lessons in order to be able to sort out and find out the latest news that we really believe in and should be avoided. Thus, healthy digital use is created and students are able to give positive things to what good media use looks like and how.

So it can be concluded that digital literacy is the ability to use technological device. With the aim that digital literacy also involves the process of understanding, being creative, and using information as knowledge. Therefore, students who have good digital literacy skills can select information as well as understand and convey ideas or ideas in the digital sphere. Digital literacy skills will open students to think, seek information and in the end the success or success of student learning will succeed. And can provide good examples and guidelines to the community or even students who do not know and understand digital literacy, especially those who still lack facilities in digital use. And also has a good influence and impact on schools that do not fully believe in the benefits of using digital. Especially for students and educators. This is also supported by Rizka Septiana (2022) that digital literacy is very important for daily life so that the younger generation, especially students and students understand and understand which information must be received and which sources of truth must be sought again. Because, the more sophisticated technology and information, the more people who are not responsible for the information they post. Because, as we see today, not only ordinary people but also students and educators often find news that is not true and they are also involved in it, namely believing. So that this digital literacy will provide lessons in order to be able to sort out and find out the latest news that we really believe in and should be avoided. Thus, healthy digital use is created and students are able to give positive things to what good media use looks like and how.

Methodology

This research used qualitative method. In this study, researcher analyzed the students' perception about how these digital literacy skills able to solve student problems and what are the perceptions of students about digital literacy. The reseracher choosed SMK Darussalam Makassar as the location of the research. The researcher choosed SMK Darussalam Makassar students' second grade in the year programme of 2022/2023 as the participant of the research. There are 19 students. The research would like to observe the impact of the digital of literacy for will give solution in learning problems. Population is the whole of the research subject. The population in this study is SMK Darussalam Makassar students' second grade in the year programme of 2022/2023 as participant of the research. There are 19 students. The research would like to observe the impact of the digital of literacy for will give solution in learning problems. To carry out research activities, researchers used research instruments, this instrument is used to obtain data and information that can be justified.

Data Collection Procedures performed by researchers are observation, interview and questionnaire. Data Analysis Techniques used by researchers namely, qualitative research is carried out, since before entering the field, while in the field, and after finishing in the field. The data analysis process in this study was carried out according to the Miles and Hube Roman model quoted by Sugiyono in his book, namely: data reduction, data display, and conclusion/verification.

Results and Discussion

A. Result

Researchers also used a questionnaire to students to support about the perceptions digital literacy in the learning process. Questionnaire was given to 19 students from class XI OTKP SMK Darussalam. The questionnaire aimed to get deeper understanding of students' problems, causes of students' problem in the learning process and to know perceptions about learning to use digital literacy. In addition, questionnaire consisted of 11 questions. Researchers conducted interviews by calling 7 students based on the highest score in English subject. On December 6, 2022 in class XI and the Department of Office Management Automation (OTKP). With the aim of knowing students' opinions about the meaning of digital literacy, the good and bad effects of digital literacy, and the benefits of digital literacy in the learning process or solving a problem.

Answer Percentage Total No Questions SS S TS STS SS S TS STS 1 The importance of students utilizing internet access 19 100% 19 as a learning medium and source of information. 2 Students use internet access to find school 7 12 37% 63% 19 information. 3 Through the internet students can access various 2 19 17 89% 10% kinds of information needed. 19 4 Searching the internet has become a new habit for 12 63% 31% 5% students in learning and searching for information.

Table 1. The Questionnaire Result



Answer Percentage Total No Questions SS S TS STS SS S TS STS 5 Students can carry out the search process on the 42% 19 11 8 58% internet based on various kinds of objects. Students know the difference in information on the 6 6 13 31% 68% 19 internet and textbooks. 7 Before using information from the internet, students 11 8 58% 42% 19 will first analyze the background information. 8 Before accessing information, students will 12 63% 37% 19 distinguish what they want to know and need from different sources. 9 Students can easily use several types of media to get 5 74% 26% 19 the truth of the information they have obtained. 10 Students will discuss with other people. 13 68% 34% 19 6 11 Students compile information sources from various 14 21% 74% 19 kinds of objects on the internet.

The first questionnaire was "The importance of students utilizing internet access as a learning medium and source of information", all students stated that they strongly agreed with this statement. Supported by interviews from RA who said that the researcher concluded that students understand what digital literacy is. And students also feel the good impact of digital literacy in solving or searching for answers and information.

The second questionnaire is "Students use internet access to find school information", there are 7 students who strongly agree and 12 students agree with this statement. Supported by interviews from RA who said that although, students sometimes find it difficult when given a lot of assignments. This is supported by the first basic principle of developing digital literacy by Novi Kurnia 2017, namely digital literacy is a simple understanding that includes the ability to extract ideas implicitly and explicitly from the media.

The third questionnaire, namely "Through the internet students can access various kinds of information needed", there were 17 students who stated that they strongly agreed and 2 students agreed with this statement. Student with initials FI in his interview concluded that explain the meaning of digital literacy and know the impact of digital literacy on the learning process experienced. This is supported by Preston's opinion in Muhammad Imran's research, which explains media convergence as a process of combining various mass media and technologies that make it easier for users to access various information.

The fourth questionnaire is "Searching the internet has become a new habit for students in learning and searching for information", there are 12 students who strongly agree, 6 students agree and 1 student disagrees with the statement. In the interview studied with the initials FI also stated that such as digital literacy can facilitate the learning process provided. This is supported by Urip Umayah and Mawan Akhir Riwanto (2020) who said that, 21st century learning needs to be faced by students with various information and communication technology competencies, one of which is knowledge and ability in digital literacy.

The fifth questionnaire is "Students can carry out the search process on the internet based on various kinds of objects", there are 11 students who strongly agree and 8 students agree with this statement. This is also supported by the results of interviews from AN, which stated that student understand the meaning of digital literacy, and the impact it has on the learning process. Where students feel helped by digital literacy, the assignments given are easy to complete and have no difficulties. Feri Sulianta (2020), also stated in his book entitled Digital Literacy, digital literacy is defined as the ability to understand and use information in various forms from a very wide variety of sources which are accessed via computer devices.

The sixth questionnaire is "Students know the difference in information on the internet and textbooks", there are 6 students who strongly agree and 13 students agree with the statement. The DA in the Interview also stated that students know the meaning of digital literacy, so students understand the impact of using digital literacy and the difficulties students experience when using digital literacy in solving learning problems. Novi Kurnia (2017), also argues that digital literacy is interpreted not only as a process of children interacting with digital media, in this case the internet, about how this interaction contributes to various aspects of child development.

The seventh questionnaire is "Before using information from the internet, students will first analyze the background information", there are 11 students who strongly agree and 8 students agree with the statement. NFA in the interview also supports the above statement. The statement is students had knowledge about the meaning of digital literacy and knew the benefits of digital literacy and the good and bad effects of digital literacy in the learning process to solve a problem. Here we can see how important it is to take advantage of digital literacy. This is reinforced by the opinion of (Sulistyowati et al., 2019) who said that one indicator of achievement in the field of education and culture is success in building digital literacy.

The eighth questionnaire is "Before accessing information, students will distinguish what they want to know and need from different sources", there are 12 students who strongly agree and 7 students agree with the statement. This statement is also supported by the results of interviews with initial D students who stated that, students know the meaning of digital literacy and the positive impact of digital literacy. And be able to understand the solution to the difficulties that they might get when using digital literacy. In this case Fitriyani and Septian Mukhlis 2021 address that students need to have digital literacy competencies so that the information obtained can be used and has beneficial value.

The ninth questionnaire is "Students can easily use several types of media to get the truth of the information they have obtained", there are 14 students who strongly agree and 5 students agree with the statement. The interview results from T also stated that students knew the meaning of digital literacy and students explained well about the difficulties and good or bad impacts of digital literacy in the student learning process. This is reinforced by Puji Rianto (2019), which states that our digital literacy is able to distinguish between social reality and media reality, so we will be better able to use media more critically and not be easily manipulated.

The tenth questionnaire is "Students will discuss with other people", there are 13 students who strongly agree and 6 students agree with the statement. The results of interviews with students with the initials D also argue that as well as the learning process in which an educator supports students is one of achieving a good learning process according to these students. According to Paul Gilster in (Sutrisna, 2020), digital literacy is defined as the ability to understand and use information in various forms from a very wide variety of sources which are accessed via computer devices. Understanding and using information here is interpreted, where students do not misuse sources of information and use them as needed or to add insight and creativity itself.

The eleventh questionnaire is "Students compile information sources from various kinds of objects on the internet", there are 4 students who strongly agree, 14 students agree and 1 student disagrees with the statement. NFA in his interview also stated that researchers also know the learning design that students want, namely when the teacher is fun and the assignments given are in accordance with the student's ability or student agreement. As stated by Novi Kurnia (2017), that digital literacy is a skill (life skill) that does not only involve the ability to use technology, information and communication devices, but also social skills, learning abilities, and having attitudes, critical thinking, creative, as well as inspiring as a digital competency.

Based on all the results of the questionnaire above, it can be concluded that digital literacy is new for students and can be accepted by both of students or students in their learning process. The reason is that students see digital literacy as very useful and helps them solve problems in learning and can explore their creativity and many others apart from the learning process conveyed by the teacher or educator. So as not to miss the information or be out of date.

This is also supported by the opinion of Yusuf Yukram (2019), that students at Palopo State Madrasah Aliyah create student interest and build student creativity in the learning process so as to improve student learning outcomes at Palopo State Madrasah Aliyah. And it is hoped that digital literacy will be put to good and positive use by its users, especially among students as pioneers for the progress of the nation by controlling the use of technology or mass media with their digital literacy capabilities to meet the information needs needed from the mass media. And it is hoped that digital literacy will continue to be developed in the world of education and introduce it so that there is no such thing as lacking in character or missing information.

B. Discussion

From the discussion above, the researchers concluded that digital literacy really helps students in the learning process, because digital literacy is a skill that can enable students to search for information and manage information quickly and accurately. In this section, the researcher wants to discuss students' abilities and how effectively digital literacy helps students in dealing with learning problems by giving interviews to several students and how students perceive how effectively digital literacy helps students in learning problems faced by students. This research was compiled by students of class XI OTKP SMK Darussalam Makassar for the 2022/2023 academic year who had been observed.

In the first and third questionnaires, namely "The importance of students utilizing internet access as a learning medium and source of information and through the internet students can access various kinds of information needed". Starting that the dominant student strongly agrees with this statement. Hamdan Husein Batubara's (2017) research, which states that regarding learning media, it states that learning media can help students who are in the concrete operational phase understand material that is abstract so that it allows students to understand subject matter more quickly.

The second and fourth questionnaires are "Students use internet access to search for school information and become a new habit for students in learning and searching for information". Where the dominant student strongly agrees with this. This is explained by, Dwi Hadya Jayani (2021) which states that the use of the internet for learning activities for students aged 5-24 years continues to increase, which is a necessity for students to continue carrying out teaching and learning activities and become a medium of entertainment, as well as to access information. and social media.

Then the fifth and eleventh questionnaires, namely "Students can carry out search processes on the internet based on various kinds of objects and compile sources of information from several object sources". Starting that students are also dominant, they strongly agree with this. Viky, Servi and Anita (2018), stated that search engines have benefits in meeting the information needs of students in the learning process so that the benefits of search engines have been felt by students in fulfilling the need for information to search for subject matter, do assignments and add knowledge as well as students' insights in the learning process.

The sixth, eighth and ninth questionnaires are "Students know the difference in information on the internet and textbooks and distinguish what they want to know from different sources for the correctness of the information they have obtained". Starting that students are also dominant strongly agree with the statement. This statement is supported by Aan and Ezi (2016) which state that students use learning resources, namely textbooks in finding answers to teacher questions.

Furthermore, the seventh and tenth questionnaires are "Before using information from the internet, students will first analyze the background information and will discuss with others in an effort to solve problems related to the assignments obtained". It was found that the more dominant students strongly agreed with the statement above.

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Based on the results of Dwi Priyanto's (2009) research, he also stated that the use of digital media also has weaknesses in learning activities including the media used has not been able to develop student creativity, special skills are needed in operating media for beginners, the use of programs in media is quite complicated so a companion is needed in its use.

Based on the student statements above, it can be concluded that digital literacy in education has a positive impact on students. Such as easy access to various kinds of information needed to solve problems. And it becomes a new habit for students, namely seeking information not only from textbooks or from teachers. Students also become more critical and communicate a lot with their friends about the information they get. As well as students are also more challenged in sorting the information obtained.

Conclusion

In the learning process, Students are more active in learning and give each other opinions based on the results they find and separate analysis from various sources on the internet. And help them become more active, creative and have lots of references in solving problems and improving their learning outcomes and competitive styles outside the learning process in the classroom. It is hoped that all teachers can apply digital literacy in every learning process at school, so that students don't experience being left behind and are able to compete with great and genius people out there

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