# DIGITAL LITERATURE AND INDEPENDENT LEARNING IN COVID-19 PANDEMIC: CORRELATION STUDY LEARNING SUCCESS

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# DIGITAL LITERATURE AND INDEPENDENT LEARNING IN COVID-19 PANDEMIC: CORRELATION STUDY LEARNING SUCCESS

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### Abstract:

This study aims to determine the relationship between digital literacy and self-regulated learning during the Covid-19 pandemic for students at the Hindu Indonesia University Denpasar. The research method used is correlational quantitative. The population in this study are all active students at the Hindu Indonesia University Denpasar. Samples were selected by probability sampling as many as 148 students using the proportional method of layered random sampling. Data collection techniques using a questionnaire. The data analysis of this research used correlation test and simple regression test. The results showed that there was a significant positive relationship between digital literacy and independent learning during the pandemic. This is evidenced by: (1) the results of a simple correlation test show (roount = 0.478 > rtable = 0.1603) and the significance value is less than 0.05 (0.000 < 0.05). (2) the equation model Y = 22.414 + 0.425X is statistically significant with toount = 6.582 > ttable = 1.976, and the significance value = 0.000 < 0.05. (3) the coefficient of determination (R2) is 22.9%, meaning that digital literacy variables have an influence of 22.9% on self-regulated learning variables during the Covid-19 pandemic for students at the Hindu Indonesia University Denpasar.

Keywords: Digital Literacy, Self-Regulated Learning, Covid-19 Pandemic

### INTRODUCTION

Currently, countries in the world are shocked by an extraordinary event, namely the emergence of a corona virus pandemic or commonly known as Covid-19 (Corona Virus Disease-2019) since the end of December 2019. All countries, including Indonesia, are trying to overcome the situation that is not controlled due to this outbreak, which has hampered all lines of life due to various policies to control the rapid spread of the corona virus, among others by imposing social and physical restrictions, as well as working from home (Herliandry et al., 2020). There is a recommendation to work from home based on the provisions of Article 86 paragraph (1) of Law Number 1 of 2003 concerning Manpower which states that every worker/labor has the right to protection of occupational safety and health, this requires everyone to survive. for their survival even though they are still at home with the help of technology and internet.

Controlling the situation during the Covid-19 pandemic by utilizing technology and the internet in accordance with the characteristics of the 4.0 industrial revolution era, one of which is the internet of things that is able to control almost all jobs that can be connected via an internet connection (Risdianto, 2019). The hallmark of education during the industrial revolution 4.0 is the use of the internet. According to (Risdianto, 2019) One of the provisions in implementing education during the industrial revolution 4.0 is the existence of connectivity or access to the internet network. This is in line with the emergence of digitalizationan education system through digital learning with the help of the internet that is able to provide a more meaningful learning experience, able to grow various strategies, methods, learning resources, and patterns of educator-student relationships so as to create innovative learning opportunities (Statti & Torres, 2020). This transformational change is also in accordance with adaptation to conditions during the pandemic, which requires all institutions or educational institutions to implement distance learning. Institutional education will be left behind if it does not quickly adapt to changes in digital-based education transformation during the industrial revolution 4.0 and during the current pandemic (Sobri et al., 2020). In accordance with the new policy involving the government, it is recommended to stay and work at home during the Covid-19 pandemic, The educational paradigm has shifted from face-to-face learning to online learning. This is based on the Circular Letter of the Minister of Education and Culture Number 4 of 2020 concerning the Implementation of Education Policies in the Emergency Period for the Spread of Corona Virus Disease (Covid-19), which contains six important things related to changes in the implementation of education in Indonesia, one of which is the process of learning from home through online learning. Online learning is considered the most appropriate solution for learning during the current pandemic (Wijaya et al., 202(1) conveying the idea that the use of online learning has increased during the Covid-19 pandemic. This is based on the Circular Letter of the Minister of Education and Culture Number 4 of 2020 concerning the Implementation of Education Policies in the Emergency Period for the Spread of Corona Virus Disease (Covid-19), which contains six important things related to changes in the implementation of education in Indonesia, one of which is the process of learning from home through online learning. Online learning is considered the most appropriate solution for learning during the current pandemic (Wijaya et al., 2020) conveying the idea that the use of online learning has increased during the Covid-19 pandemic. This is based on the Circular Letter of the Minister of Education and Culture Number 4 of 2020 concerning the Implementation of Education Policies in the Emergency Period for the Spread of Corona Virus Disease (Covid-19), which contains six important things related to changes in the implementation of education in Indonesia, one of which is the process of learning from home through online learning. Online learning is considered the most appropriate solution for learning during the current pandemic (Wijaya et al., 2020) conveying the idea that the use of online learning has increased during the Covid-19 pandemic.

Online learning during a pandemic can be carried out with the support of rapid advances in technology, information, and communication using various platforms in the form of applications, websites, social networks, and learning management systems (Latip, 2020). Online learning is a learning process carried out using the internet, it can be done either synchronously or asynchronously. The emergence of online learning as part of digital literacy can be used as an alternative to using technology in learning, as well as to improve the quality of learning. It is necessary to cultivate Self-Regulated Learning (SRL) to face learning difficulties during the current Covid-19 pandemic. SRL is an active and constructive process for students to determine their learning goals, then monitor, regulate, and control their control, motivation, and behavior based on their learning goals and environment (Pintrich, 2000). SRL is one of the basic characters in the learning process, this is in accordance with the Presidential Regulation of the Republic of Indonesia Number 87 of 2017. It was reported in a news article on the Suaramerdeka.com page on June 22, 2020, explaining that students do not yet have Self-Regulated Learning which has become a habit., this has become one of the complex problems that emerged as a challenge for the world of education during the pandemic. In addition, the Acehtrend.com news page on September 16, 2020 also showed low self-regulation while studying, which used to be characterized by low selfdiscipline and motivation while studying. That's Bernasnews. com news page on April 26, 2020 also mentioned the lack of Self-Regulated Learning because most still feel dependent on face-to-face learning/traditional methods. The results of research from Badjeber (2020) conclude that there are still many students with a percentage of more than 60% who relatively lack the awareness to design, implement, monitor and supervise their own learning needs, including in utilizing various resources, as well as determining & practicing learning strategies during the pandemic. Research from (Sulisworo et al., 2020) shows that students in Indonesia need to improve SRL during the pandemic in order to remain responsible for the learning process and be successful in implementing online learning. Research from (Khairuddin et al., 2020) concluded that the achievement of each student SRL indicator in Padang City is still below 60%, which is relatively low. Research from (Yasdar & Muliyadi, 2018) shows 75% of students' SRL in South Sulawesi is low, research from (Wahyuni, 2018) shows 63.98% SRL of students in Riau tends to be low. Research from (Rohaeti & Suwardi, 2013) concluded that about 50% of SRL students in Yogyakarta are included in the low category because they rarely set and evaluate learning strategies, lack of discipline in learning which causes irregular study schedules, rarely use spare time to study the material being studied. This shows that the students' SRL is relatively low. Self-Regulated Learning has various benefits for students, because SRL is a supporter of success in everyday life including in learning, such as to improve academic achievement, key to discipline behavior, improve multitasking abilities, increase rationality in decision making, increase efficiency in learning new knowledge. (Kristiyani, 2020). If students do not have Self-Regulated Learning, students will find it difficult to plan learning activities,

The development of SRL levels in students can be influenced by internal and external factors. Internal factors consist of epistemological beliefs, beliefs about learning, emotions, personal agency beliefs, and

age and personality factors, while external factors that influence the development of SRL such as family factors include parenting and parental involvement, school factors including teacher-student relationships, support for teacher autonomy, the teaching model provided by the teacher, and peer factors (Kristiyani, 2020). SRL is also caused by factors such as personal, behavioral, and environmental. Personal factors consist of knowledge, thoughts, beliefs or self-efficacy, goals, behavioral factors consist of acts of observation, judgment, and self-reaction, while environmental factors in the form of physical and social environment while studying (Schunk & Zimmerman, 1998). Another factor that affects self-regulated learning is digital literacy (Sekarini, 2019).

Digital literacy is one of the competencies that individuals must have in using digital technology effectively to support academic needs such as when accessing information digitally via the internet. In a news article published on the Nusabali.com page on April 20, 2020, it was stated that digital technology is also similar to distraction which causes users to be unable to concentrate on completing their tasks and obligations, so that digital devices that are actually able to increase productivity turn into performance barriers. Digital content and information widely distributed on the internet can facilitate SRL. Current learning resources can be obtained via the internet (Rohmah, 2019). It is undeniable that students need literature when doing assignments,

It is important for every individual to have digital literacy to limit things that can distract students' activities when accessing the internet, so that students' opportunities to achieve learning goals are greater. Digital competence can also be called digital literacy (Utama & Sajidan, 2020). According to (Risdianto, 2019) digital literacy aims to improve the ability to read, analyze, and use information digitally, in other words digital literacy encourages the use of digital technology devices to be more effective and healthy because today's digital natives, including students, feel less wise in use the internet to find information. what is done is not based on particular interests and is not appropriate for age, as well as excessive use of social media. The agreement by the 2015 World Economic Forum requires all components of society, including students, to master six very important literacy basics, one of which is digital literacy (Umar et al., 2019). Depital literacy needs to be embedded in the education system, because it has a positive influence on student skills that are important for successful learning (Techataweewan & Prasertsin, 2018).

Mastery of digital literacy in learning is able to facilitate and strengthen the learning process and educational outcomes including student SRL achievements, because students are able to obtain information in a broader and deeper scope, thereby increasing student insight and helping students complete assignments (Elpira, 2018). Students are also able to survive various obstacles in learning and are able to solve problems that are being faced if they have digital literacy (Eshet, 2004).

According to the proposed framework (Beetham et al., 2009) that digitally literate students can better organize their learning activities through the use of technology than their less digitally literate counterparts. The same thing was also stated in a news article on the timesindonesia.co.id page on April 10, 2020 that the literacy skills that students have when accessing information from various digital sources are one of the important markers for Self-Regulated Learning. The rapid progress of science and technology can contribute to the growth of independent learning, as evidenced by the results of research from (Yot-Domínguez & Marcelo, 2017) which shows that everyday interactions with technology have a positive impact on students' Self-Regulated Learning.

There are several relevant previous tudies, such as the results of research from (Yang & Kim, 2014) showing a positive and significant correlation between digital literacy and Self-Regulated Learning in university e-learning environments. Research from (Muthupoltotage & Gardner, 2018) also found a positive relationship between digital literacy and Self-Regulated Learning in the context of technology-based learning. Likewise with research results from (Prior et al., 2016) that digital literacy can have a much deeper relationship with Self-Regulated Learning. In line with the Connectivism learning theory, created by George Siemens, he explains the role of Internet network technology in creating opportunities for individuals to learn and share information and skills learned.

### RESEARCH METHODS

The type of research conducted is quantitative which is correlational. This study will examine the relationship between two or more variables. The aim is to examine the relationship between digital literacy and self-regulated learning during the student Covid-19 pandemic. In this study, there are two variables determined, namely the independent variable (X) is digital literacy, while the dependent variable (Y) is Self-Regulated Learning. The population is all research subjects that have certain characteristics to study and draw general conclusions (Kurniawan, 2012). Hindu Indonesia University Denpasar students from the 2017-2019 class became the population in this study. There were 79 students in 2017, 74 people in 2018 and 80 people in 2019 so that the total student population in this study was 233 people.

Respondents in this study were selected using probability sampling technique with proportional stratified random sampling method. The probability sampling technique treats all members of the population who are the research sample with chance. Data collection techniques in this study by means of a questionnaire. Questionnaires are variable data collection techniques that are carried out through the distribution of a set of questions or written statements that must be answered by respondents (Sugiyono, 2010). The questionnaire used is a closed questionnaire containing statements about digital literacy and self-regulated learning variables. The scale used in this research questionnaire is Likert scale. The questionnaire is structured in the form of a checklist and uses four alternatives: answers, because it eliminates the neutral answer with the assumption that it is a little "ambiguous" (Sarjono & Julianita, 2011). The validity test in this study uses the correlation coefficient technique using the Product Moment formula through the help of SPSS version 23 program. Based on (Budiyono Saputro, 2017) The instrument is called reliable if a person's answer to the statement tends to be stable or consistent from time to time. The instrument was tested with Alpha Cronbach through the help of the SPSS version 23 program, and the significance level was 5%. A questionnaire can be said to be reliable if the results obtained show a critical value of Cronbach's Alpha > 0.70 (Widoyoko, 2012). The criterion test is if the ri value > 0.70 means the questionnaire is reliable, and vice versa. The validity test in this study uses the correlation coefficient technique using the Product Moment formula through the help of SPSS version 23 program. Based on (Budiyono Saputro, 2017) The instrument is called reliable if a person's answer to the statement tends to be stable or consistent from time to time. The instrument was tested with Alpha Cronbach through the help of the SPSS version 23 program, and the significance level was 5%. A questionnaire can be said to be reliable if the results obtained show a critical value of Cronbach's Alpha > 0.70 (Widoyoko, 2012). The criterion test is if the ri value > 0.70 means the questionnaire is reliable, and vice versa. The validity test in this study uses the correlation coefficient technique using the Product Moment formula through the help of SPSS version 23 program. Based on (Budiyono Saputro, 2017) The instrument is called reliable if a person's answer to the statement tends to be stable or consistent from time to time. The instrument was tested with Alpha Cronbach through the help of the SPSS version 23 program, and the significance level was 5%. A questionnaire can be said to be reliable if the results obtained show a critical value of Cronbach's Alpha > 0.70 (Widoyoko, 2012). The criterion test is if the ri value > 0.70 means the questionnaire is reliable, and vice versa. 2017) The instrument is called reliable if a person's answer to the statement tends to be stable or consistent from time to time. The instrument was tested with Alpha Cronbach through the help of the SPSS version 23 program, and the significance level was 5%. A questionnaire can be said to be reliable if the results obtained show a critical value of Cronbach's Alpha > 0.70 (Widoyoko, 2012). The criterion test is if the ri value > 0.70 means the questionnaire is reliable, and vice versa. 2017) The instrument is called reliable if a person's answer to the statement tends to be stable or consistent from time to time. The instrument was tested with Alpha Cronbach through the help of the SPSS version 23 program, and the significance level was 5%. A questionnaire can be said to be reliable if the results obtained show a critical value of Cronbach's Alpha > 0.70 (Widoyoko, 2012). The criterion test is if the ri value > 0.70 means the questionnaire is reliable, and vice versa.

The first data analysis technique, with descriptive statistics that are useful for describing data samples through data categorization without the intention of determining conclusions for the population (Sugiyono, 2010). Two analytical prerequisite tests, in the prerequisite test analysis, were carried out in

several stages, namely 1) by means of a normality test, which was carried out using the Kolmogorov-Smirnov technique. The criteria for the fulfillment of the normality test are seen from the significance value > 0.05, while the significance value < 0.05 means that the data is not normally distributed. 2) The linearity test aims to see whether the two variables studied (independent and dependent variables) are linearly related or not. The linearity criteria can be seen through the deviation from the linearity value which must be greater than 0.05 (Prayitno, 2016). Testing the linearity of this study using SPSS version 23 through the Linearity Test with a significance level of 0.05. 3) To find out the occurrence of inequality variance from one observation residual to another observation in the regression model, it can be done using the heteroscedasticity test (Ghozali, 2016). By looking at the pattern of the scatterplot image, it can be seen that the fulfillment of the heteroscedasticity test criteria, namely if the data points are spread either above, below or around the number 0, the spread of the points is not patterned, then there is no heteroscedasticity. Test the third hypothesis. In testing the hypothesis, two stages are needed, namely by using a correlation test and simple regression analysis. Correlation Test Correlation coefficient test is used to determine the strength of the relationship between the two variables studied. According to (and Sunarto, 2007) the correlation test is intended to measure the degree of relationship between the two variables studied, namely between the X variable (digital literacy) and the Y variable (self-regulated learning). In this study, we learned to use the Pearson Product Moment technique, therefore the data was collected in the form of interval data with a Likert scale. And simple regression This analysis is useful for detecting the direction of the positive or negative relationship between the independent variable and the dependent variable, as well as predicting how much change occurs in the value of the dependent variable if the independent variable changes either up or down. In this study, we learned to use the Pearson Product Moment technique, therefore the data was collected in the form of interval data with a Likert scale. And simple regression This analysis is useful for detecting the direction of the positive or negative relationship between the independent variable and the dependent variable, as well as predicting how much change occurs in the value of the dependent variable if the independent variable changes either up or down. In this study, we learned to use the Pearson Product Moment technique, therefore the data was collected in the form of interval 3 at a with a Likert scale. And simple regression This analysis is useful for detecting the direction of the positive or negative relationship between the independent variable and the dependent variable, as well as predicting how much change occurs in the value of the dependent variable if the independent variable changes either up or down.

### RESEARCH RESULT

### **Data Description**

The data obtained in this study as a result of distributing questionnaires through google forms in which there are statement items that represent each indicator both independently of the variable, namely digital literacy, and the dependent variable, namely self-regulated learning. The data obtained from the research subjects amounted to 148 students of the Hindu Indonesia University Denpasar, analyzed using the SPSS version 23 program, the following data were obtained:

Table 1. Descriptive Analysis Results

				Descriptive Statistics				
	N	Range	Min	Max	Sum	mean	Std. Dev	Variance
Digital Literacy	148	29	58	87	11068	74.78	5,949	35,395
Self- Regulated Learning	148	26	41	67	8025	54.22	5,290	27,984
Valid N	148							

(Source: Processed primary data, 2021)

Digital Literacy Variable (X)

5

Data on digital literacy variables were obtained from the results of distributing questionnaires as many as 23 statement items with four alternative answers based on a Likert scale score of 1 to 4. The highest total score for the sample of 148 respondents was 23 x 4 x 148 = 13,616. The results of descriptive statistical processing with the help of the SPSS version 23 program can be presented in Table 1.1 above, it can be interpreted that the digital literacy variable collects a total score of 11,068 obtained from the summation value. The maximum value that students get from this variable is 23x4=92. It is known that the maximum score for the digital literacy variable is 87, meaning that most students score three or four in each indicator. The minimum score is 58, meaning that most students score two or three on each of the available indicators. The standard deviation value explains the heterogeneity of a group to the average, this value can be said to be good if the data is heterogeneous and the value is far from 0. The standard deviation value is 5.949, so it can be said to be heterogeneous. The average score of 74.78 indicates that the average student gives a score of three in each indicator.

It can be seen that the distribution of digital literacy data with the highest frequency is in the area of the 70-73 and 74-77 interval classes, as many as 35 students. Digital literacy level The tendency of students can be classified into three, namely high, medium, and low. The results of the category of digital literacy tendencies. The digital literacy of the Hindu University Siswa Indonesia Denpasar is at a moderate level, which is equivalent to 66.22%. The percentage of digital literacy achievement for students at Hindu Indonesia University Denpasar is obtained from the results of dividing the total score collected by the highest total score, which is 11,068: 13,616 = 81.28%. Digital literacy is measured through three indicators.

Table 2. Digital Literacy Indicator Achievement

	Tubic 2. Digital Electary	indicator ricino cintent	
No	Indicators	Achievements	
	indicators	Indicator	
1	Technical Literacy	86.49%	
2	Cognitive Literacy	80%	
3	Socio-Emotional Literacy	y 81.44%	

(Source: Processed primary data, 2021)

Based on Table 2, it can be seen that the role of each indicator has different magnitudes of influence. The most dominant indicator in achieving student digital literacy lies in the technical literacy indicator with an indicator achievement of 86.49%. This technical literacy indicator contains basic operational mastery of digital technology, this shows that most students have mastered the basic skills to use digital tools.

### **Independent Learning Variables**

Data on the Self-Regulated Learning variable was obtained from the distribution of a questionnaire as many as 18 statement items with four alternative answers based on a Likert scale score of 1 to 4. The highest total score for a sample of 148 respondents was 18 x 4 x 148 = 10,656. The results of processing descriptive statistics with the help of the SPSS version 23 program can be presented in Table 1 above, with it being interpreted that the self-regulated learning variable collects a total score of 8025 obtained from that total score. The maximum score that can be obtained by students from this variable is 18x4=72. It is known that the maximum value for the self-regulated learning variable is 67, meaning most students give a score of three or four on each indicator. The minimum score is 41, this means that most students score two or three on each of the available indicators. The standard deviation value explains the heterogeneity of a group with respect to the mean, this value is said to be good if the data is heterogeneous and the value is far from 0 the deviation value is 5.290, so it can be said to be heterogeneous. The average score of 54.22 indicates that the average student gives a score of three on each indicator.

Table 3. Self-Regulated Learning Indicator Achievement

No	Indicators	Achievement Indicator
1	Memory strategy	70.44%
2	Goal setting	71.79%
3	Self evaluation	74.66%
4	Seeking help	81.93%
5	Environmental arrangements	78.04%
6	Learning responsibilities	72.41%
7	Planning & organizing	77.42%

(Source: Processed primary data, 2021)

Based on Table 3, it can be seen that the role of each indicagr has different magnitudes of influence. The most dominant indicator of the achievement of students' self-regulated learning lies in the indicator of seeking assistance with an indicator achievement of 81.93%. This indicator of seeking help contains various efforts that students can make to seek help when they do not understand the material or assignments given by the lecturer, either through the social environment, namely all people involved in the learning process including lecturers and friends, as well as non-social environments including learning facilities, and facilities used imary data, 2021)

### **Hypothesis Test Results**

**Table 4**. HypoSimple Correlation Test Results Thesis Test Results

	Correlations	Self-Regulated Learning (Y)
Digital Literacy Pearson		,478
(X)	Correlation	
	Sig. (2-tailed)	,000
	N	148

(Source: Processed primary data, 2021)

Based on Table 4, it is explained that the correlation coefficient (rcount) between digital literacy and learning independence is 0.478 > rtable (0.1603), then to see the level of relationship between the two variables, consult the correlation coefficient interval, a value of 0.478 is included in the moderate relationship level. The correlation coefficient value shows a positige relationship. The significance value is 0.000 <0.05, which means the relationship is significant. Based on these results, it can be concluded that H0 is rejected, and H1 is accepted so that the digital literacy variable has a positive and significant relationship with self-regulated learning during the COVID-19 pandemic for the Denpasar University of Hindu Indonesia students.

Table 5. Simple Regression Test Results

Tuble 5. Simple Regression Test Results					
Unstandardized Coefficients Standardized Coefficients			Coefficients	t	Sig.
B	Std. E	rror	Beta		
(Constant)	22.414	4,848		4,623	,000
Digital	,425	,065	,478	6.582	,000
Literacy					

Dependent Variable: Self-Regulated Learning (Source: Processed primary data, 2021)

Based on Table 5, the following regression model equation can be obtained:

$$Y = 22.414 + 0.425X$$

This equation can be interpreted as a constant 22,414 which means that if digital literacy (X) is 0, then the amount of self-regulated learning (Y) is 22.414. digital literacy regression coefficient (X) is 0.425, meaning that for every 1% addition of digital literacy value, the value of self-study (Y) also increases by 0.425. The regression coefficient is positive, so it can be said that the direction of the influence of

the digital literacy variable (X) on the Self-Regulated Learning variable (Y) is positive. From Table 4.9, a significance value of 0.000 <0.05 is obtained, meaning that the digital literacy variable (X) has an effect on the self-regulated learning variable (Y). The tcount value is 6.582 > ttable 1.976 so it can be concluded that the digital literacy variable (X) has an effect on the self-regulated learning variable (Y).

### DISCUSSION

The results of hypothesis testing using the correlation test show that there is a positive and significant relationship between digital literacy and independent learning during the Covid19 pandemic for students at the Hindu Indonesia University Denpasar. This is in accordance with the value indicated by the correlation coefficient (recount) of 0.478 and a meaning value of 0.000. The correlation coefficient value is 0.478, when consulted with the correlation coefficient interval table, it is included in the moderate level of relationship. It can be seen that the recount is positive, which means 3 at when students' digital literacy increases, their independent learning will also increase. This is also in accordance with the results shown in the simple regression analysis, namely the regression value of digital literacy coefficient (X) of 0.425,

The results of hypothesis sting are in line with the research of Yang & Kim (2014) which shows a positive and significant correlation between digital literacy and Self-Regulated Learning in the university's e-learning environment. The results of other studies that support the testing of this hypothesis are the research of Atsps et al., (2013); Greene et al., (2014); Muthupoltotage & Gardner, (2018); Steiner et al., (2013) who conclude that there is a positive and significant relationship between digital literacy and independent learning independent learning is one of the important characters that students must have when carrying out the learning process, this is in accordance with Presidential Regulation of the Republic of Indonesia No. 87 of 2017 concerning Strengthening Character Development.

Students are said to have self-regulated learning if they are able to complete various tasks given by the lecturer based on their efforts and abilities. The current pandemic condition should be the real urgency of SRL, one of the important markers that students must have in order to achieve self-regulated learning is digital literacy skills. Digital literacy as a form of business that is manifested in the form of the ability to access, browse, analyze, and use information digitally. The habit of reading learning resources both offline and online from the internet in the form of digital books, articles, national and international journals that affect knowledge, increase understanding, open insight and further develop mindset skills, thus forming and facilitating the achievement of SRL so that the decisions taken are right on target, both to solve problems and solve problems, problems being faced and to meet their learning needs. Students have a lot of information that can be managed in such a way as to support success both in academics and in everyday life. In other words, digital literacy is a way or form of self-ability in finding information that is used to achieve self-regulation while learning. Students have a lot of information that can be managed in such a way as to support success both in academics and in everyday life. In other words, digital literacy is a way or form of self-ability in finding information that is used to achieve self-regulation while learning. Students have a lot of information that can be managed in such a way as to support success both in academics and in everyday life. In other words, digital literacy is a way or form of self-ability in finding information that is used to achieve self-regulation while learning.

Digital literacy also helps students to know the limits of internet use according to their needs and interests, for example preventing excessive use of social med . Literacy as the main basis in increasing knowledge. According to (Sekarini, 2019) digital literacy is one of the efforts that can foster self-regulated learning. The agreement by the 2015 World Economic Forum also obliges everyone, including students, to master six basic literacys that are very important in life, one of which is digital literacy. (Umar et al., 2019).

Digital literacy has a positive influence on skills that are important to support successful student learning (Techataweewan & Prasertsin, 2018). Students who have self-regulated learning can manage their learning patterns optimally, supported by their ability to use digital technology to find learning resources

and literature digitally to complete the material needed for certain courses, due to pandemic conditions that require online learning, it is possible for students to re-read the material obtained so that there are no misconceptions, reconfirm for the lecturer or his friends by discussing to reach understanding, and be able to support the work given by the lecturer.

The level of digital literacy and self-regulated learning at Hindu Indonesia U19 ersity Denpasar students are in the medium category, meaning that students are quite able to regulate the learning process that is relevant to the current development of science and technology. There are seven indicators to measure self-regulated learning. Of the seven indicators, the indicator that has the highest achievement is the indicator of seeking assistance at 81.93%. The indicator of seeking help relates to the various efforts made by students to seek help when they feel they do not understand the material or assignments given by the lecturer, both through the social environment, namely all people involved in the learning process including lecturers and friends, as well as non-social environments including facility. or learning tools used

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The level of self-regulated learning is also caused by the level of digital literacy that each student has. Digital literacy measurement uses three indicators. Of the three indicators, the indicator that has the highest achievement is the technical literacy indicator at 86.49%. Technical literacy indicators are related to basic operational mastery of digital technology. This is also related to the high level of seeking help in Self-Regulated Learning indicators, if students are able to demonstrate their basic skills when using digital tools, this can make it easier when seeking help to find suitable alternatives for satisfaction

with their learning achievements, for example through the use of laptops, gadgets, internet, browsers, and others.

Then, the digital literacy indicator that has the lowest achievement is cognitive literacy at the 80% level. This is related to the low memory strategy, because cognitive literacy is related to students' ability to find and process information. Weak memory can be caused because students lack the initiative to seek information first, usually students tend to like things that are instant. One of the behaviors that reflect a lack of memory is that students are not accustomed to rereading notes or lecture material, even though students should be able to analyze in depth first any information obtained so that it is embedded in long-term memory.

Students need to enrich their digital literacy to enhance their independent learning. The results of this study have supported the theory of connectivism which explains the role of internet network technology in creating opportunities for individuals to learn and share information & learned skills. According to (Sekarini, 2019) digital steracy is included in environmental factors that can increase self-regulated learning. According to (Beetham et al., 2009) that digitally literate students are better at managing their learning activities through the use of technology. Digital literacy is an important provition to achieve student SRL because it is facilitated by the availability of technology (Latifah, 2020). Digital literacy has a positive influence on learner skills that are essential for successful learning (Techataweewan & Prasertsin, 2018). Utilization of technology is able to develop SRL. Daily interactions with technology have a positive impact on SRL, this shows the positive contribution made by the development of science and technology to the improvement of SRL (Yot-Dominguez & Marcelo, 2017).

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## DIGITAL LITERATURE AND INDEPENDENT LEARNING IN COVID-19 PANDEMIC: CORRELATION STUDY LEARNING SUCCESS

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