

Improving Digital Literacy with the Multiple Intelligences Approach in SD Negeri Trobayan

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Abstract. Ability very digitally literate needed For support exists development technology developing information rapidly in the 21st century. Research This aim For know enhancement ability digital literacy in learning with use mozilla software firefox, youtube, and whatsapp on students class IV SD Negeri Trobayan. Study This is study qualitative use approach multiple intelligences. Study This involve head schools, teachers, and students class IV SD Negeri Trobayan, totaling 15 people. Through approach multiple intelligences can know types intelligence students who don't can be measured with IQ. Study This using data in the form of condition start and conditions end exists learning based digital literacy in SD Negeri Trobayan. Based on the data obtained student class IV SD Negeri Trobayan experience significant improvement about ability literacy student use youtube software compared mozilla firefox and whatsapp. Based on study that, learning based very digitally literate effective used in learning.

Keywords : Digital Literacy, Multiple Intelligences, Students

INTRODUCTION

Development technology information and communication that occurs in the 21st century has develop with fast. There is development the make man own method another point of view (Herlambang, 2018). At the moment this, society No only demanded For own ability digital technology only but can also interact between One each other (Medlock et al., 2017) . It cause such an impact big in various aspect (Sasikirana & Herlambang, 2020). In this 21st century every man will need technology, like pattern communication and can access information with easy and abundant. In offset development technology and communication needed exists digital age skills, in the form of collaboration, communication, solving problems and skills think critical.

There is development technology impact on the education sector in Indonesia. It demand educator For make content collaborative learning in order to be able to face challenges in the 21st century. Content learning the normal known with 4C term ie Collaboration, Communication, Creativity and Innovation, and Critical Thinking and Problem Solving. Professional educators can become a role model for their students For face digital challenges in the 21st century. Important for educator For own prowess good digital literacy in the learning process forward (Juliya & Herlambang, 2021). Digital literacy is A ability in understand and use information from various digital sources (Paul Gilster, 1997) . This is also in line with opinion (D. Sutisna et al., 2020) that digital literacy is ability in use and exploit digital devices such as laptops, computers, mobile phones in convey or obtain information.

Learning process No must held with stare advance, however Can held online (in network) that makes educators and students interact without limitation space and time. Besides that, educators can too make innovation learning in the form of a supporting animated video learning at a time make student No bored with learning Educator must own strategy at the time designing learning that can push student use technology (Herlambang et al., 2021) . There is progress technology in the 21st century, obliges a educator For can understand with and adapt in this digital

world (Sumartini et al., 2019) . Development digital technology makes it possible student For get abundant knowledge with fast and easy (Sawitri et al., 2019) .

According to David Wechsle, intelligence (intelligence) is ability in Act in a manner directed, thought rational, and confront environment in a manner effective (Auryn, 2014) . According to Gardner who created theory intelligence plural (multiple intelligences) is intelligence that is not can be measured with test written, will but with solve problem in life. Ability someone can called intelligence if can show something proficiency and skills in solve problem or difficulties encountered (Gardner, 2013). Theory multiple intelligences can applied in learning with carry out activity appropriate learning with intelligence participant educate (Chrisson, 1999) (Armstrong, 2009) . For example, a student own intelligence linguistics, then in activity learning will brought closer with favorite activities, such as : telling stories, explaining, and teaching his thoughts to another friend. If student own intelligence logic-mathematics, then in activity learning will brought closer with think Christian and rational.

In the field of education, digital literacy is demanding all elements of good education lecturers, teachers, students, parents nor public For capable apply digital in learning (Ningsih et al., 2021) . Teacher demanded For control digital literacy so you can adapt and fulfill need students in the digital era (Kurniawati & Baroroh, 2016) . Based on explanation above, got concluded that digital literacy plays a role important in life man specifically education. There is a number of research that has done in increase deep digital literacy learning, among others study (Radovan, 2014) show that digital literacy delivers impact influence positive to performance academic and create settlement task become efficient through computer programs and devices soft. Research results previously implemented (Safitri et al., 2013) show that with use approach multiple intelligences can increase attitude and results Study students at SMA Negeri 1 Tellu Limpoe. Based on explanation above, research This own similarity with study earlier that is about digital literacy in elementary schools. Remember importance digital literacy, then objective study This is For know enhancement ability digital literacy in elementary schools.

METHOD

This study is use study qualitative. Study qualitative can give perspective to something problem in a manner deep (Racco, 2010) . Study qualitative can explain reality and explained in form sentence (Pujileksono, 2013) . Study qualitative designed to be give contribution about policy, theory practical, action as well as problems social (Sidiq & Choiri, 2019) . Approach used in study This that is approach multiple intelligences. Approach multiple intelligences is ability intellectual can be measured through IQ test online limited due to the IQ test only emphasize ability language and logic (Gardner, 2003) . Approach this multiple intelligences For know and appreciate intelligence everyone. On research this, multiple intelligences (intelligence compound) which will researched that is Intelligence linguistics (Linguistic Intelligences), Intelligence Math logic (Logical-Mathematical Intelligences), Visual- Spatial Intelligence (Visual-Spatial Intelligences), and Intrapersonal Intelligences (Intrapersonal Intelligences).

Study implemented in SD Negeri Trobayan. Study This involve student class IV which consists of 15 students, teachers, and principals school. Data collection used that is observation, interview and documentation. Observation is action taken To use observe something object in a manner direct without there is a mediator in order to get observe activities carried out object (Kriyantono, 2006) . Interview used For disclose information. Obtained data from interview characteristic thorough, no limited and open so that obtain thorough and complete information (Ulfatin, 2014) . Documentation used For improve data from observation and interview. Obtained information from interview form notes, letters, archives photos, and so on (Clemmens, 2003) . Data analysis technique used that is domain analysis, analysis taxonomy, analysis componential, and analysis theme cultural (Spradley, 1997) . Domain analysis ie descriptive analysis in a manner general problem research. Analysis taxonomy that is explain more details and details regarding the sub-domains of the problem under study. Analysis componential that is can find meaning through exists identification in later domains made focus research. Analysis theme cultural that is an internal process connect between subdomains then pulled conclusion. Result of study This will made text purposeful narrative make it easy in understand results research.

RESULTS AND DISCUSSION

Ability Digital Literacy of Class IV SD Negeri Trobayan

Based on results research that has held to student class IV SD Negeri Trobayan involving a number of participant form "S" (Head School), "K" (Class Teacher), and students class IV SD Negeri Trobayan. Based on

study use approach multiple intelligences at SD Negeri Trobayan found that student class IV SD Negeri Trobayan not enough control ability digital literacy. Digital literacy that is something knowledge, skills, and competencies used in development dominated culture technology (Hobbs, 2017) . Digital literacy that is ability and attitude aware individual in use digital technology (Martin, 2006) . Implementation digital literacy in SD Negeri Trobayan starting at the moment class V as form ANBK training (Based National Assessment computer). Assessment national is an evaluation program from the Ministry of Education and Culture To use increase quality education with photograph whole unit learning education (Shaharani et al., 2021) . Learning based digital literacy for class IV yet held at the time learning.

Student class IV SD Negeri Trobayan can said No control ability digital literacy because No fulfil four indicator observed researcher. Indicator ability students' digital literacy These include : accessing, selecting, understanding, distributing, and utilizing information from the internet (Raharjo & Winarko, 2021) . Access is skill somebody interact with modern technology (Raharjo, 2020) . Selecting that is skill someone in sort existing information. Understand that is If somebody can explain information in my own words in a manner detail (Sujiono, 2011) . Distribute that is skill somebody in convey information to others. There is problems that occur in SD Negeri Trobayan related ability students' digital literacy class IV, then researcher stage implementation of digital literacy programs with approach multiple intelligences To use increase ability digital literacy of students at SD Negeri Trobayan. Implementation of digital literacy programs implemented through mozilla firefox, youtube and whatsapp.

Analysis results ability student in implement the digital literacy program based on four indicators that have observed researchers, including :

Ability students' digital literacy in access information

Implementation digital literacy in SD Negeri Trobayan in access information can seen in picture 1.

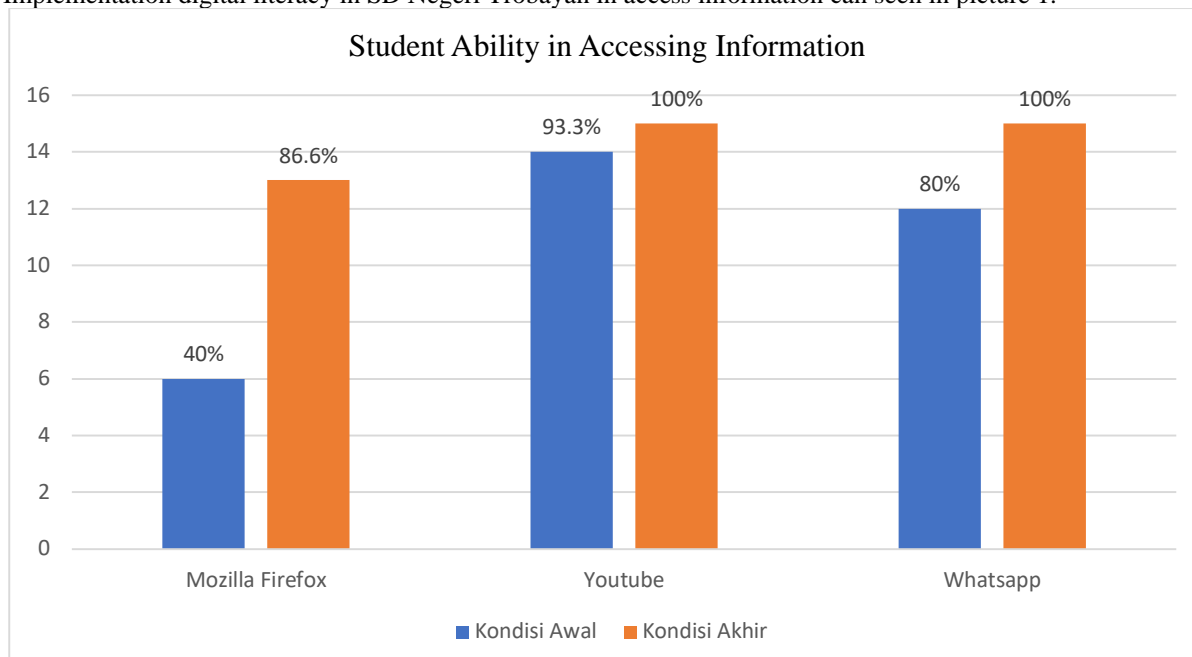


FIGURE 1. Ability Student in Access Information

Implementation digital literacy in SD Negeri Trobayan, ability access information can analyzed, as following

a. Ability access information through mozilla software firefox

Mozilla Firefox is an open source web browser. Mozilla Firefox can used on various operating systems like Mac and Windows (Studios, 2010) . Mozilla Firefox own appearance more pages concise and broad (Rahman & Alfaizi, 2014) . Mozilla firefox too have feature security to be focus main in browsers This (Setiawan et al., 2007) . Student can access information Where only and when just with use mozilla firefox. Implementation learning, students class IV SD Negeri Trobayan capable access information through mozilla software firefox Enough good. Based on the data found before exists training as many as 6 students (40%) got capable access information through mozilla firefox. After there is training, available

modest increase significant that is as many as 13 students (86.6%) got it access information through mozilla firefox.

On implementation training, students look for information on the internet with topic appearance waters. Student can look for information complete via the internet with short time (Setiyani, 2010) (Tobing, 2019) (Rodin, 2012) . Based on topic that, students later requested For look for name and place Miscellaneous appearance waters such as swamps, bays, rivers, lakes, seas and straits. Besides that, students also learn regarding the floating market in Kalimantan. At stage this, students class IV already Can look for required information through the necessary keywords. In practice student can define keywords in required information. Based on research, there were 13 students (86.6%) or majority student can access information, though Still there is confused students in define keywords or topic the problem happened.

b. Ability access information through youtube software

YouTube is one of the learning media that can used by the teacher in explain material to student. Students and teachers can collaborate and innovate in increase skills in the field education through youtube (Wigati et al., 2014) (Rahim Almoswai & Rashid, 2017) (Saputra & Fatimah, 2018) . Learning media provided through youtube namely audiovisual. At stage this, students capable access youtube with ok. In practice, students will look for information appearance waters in the form of swamps, bays, rivers, lakes, seas, straits, and floating markets. Based on the data found before exists training there were 14 students (93.3%) capable access youtube, meanwhile after exists training there are 15 students (100%) or whole student class IV SD Negeri Trobayan capable in access youtube.

Student can access youtube with method choose the appropriate video with the required keywords. Use youtube can make learning walk with effective (Samosir et al., 2018) . at the moment apply youtube, everyone student class IV already understand method apply it. it because student Already use youtube at the moment At home with a cell phone so make student proficient use youtube (Amirudin & Muzaki, 2019) . Youtube also has convenience for user in access it (Permatasari & Sittika, 2022) . Ability student in access information through youtube student Already good. However, in access youtube there is constraint that is in use it needed good internet network to run smoothly moment playing videos and also contained ad can bother concentration student in understand material.

c. Ability access information through whatsapp

Whatsapp is a very popular social media in society. Whatsapp can give convenience in communicate and use For support learning through features provided (Kalangan et al., 2018) (Sahidillah & Miftahurrisqi, 2019) . Most frequent features used in whatsapp that is chat feature (Prajana, 2017) . At Trobayan State Elementary School specifically class IV, whatsapp used as a medium of communication and internal media give task to student. Ability student in access information about appearance waters on whatsapp Already good. Based on the data found before exists training there were 12 students (80%) capable access whatsapp, meanwhile after exists training there were 15 students (100%) in grade IV of SD Negeri Trobayan capable in access whatsapp.

Ability student in access whatsapp caused Because student Already understand the features in the application whatsapp. it because in everyday student use application whatsapp in communicate Good with family, relatives, and friend. Based on results study can concluded that usage whatsapp Already good and got utilized with as good Possible as well as can increase participation and achievement student (Amry, 2014) (Pustikayasa, 2019) (Utami & Utami, 2020) . Success use whatsapp, no regardless from exists obstacles experienced in its use like, message No read Because buried with other chats, and also not Can download video because difficult network.

Ability students' digital literacy in selecting information

Implementation digital literacy in SD Negeri Trobayan in selecting information can seen in picture 2.

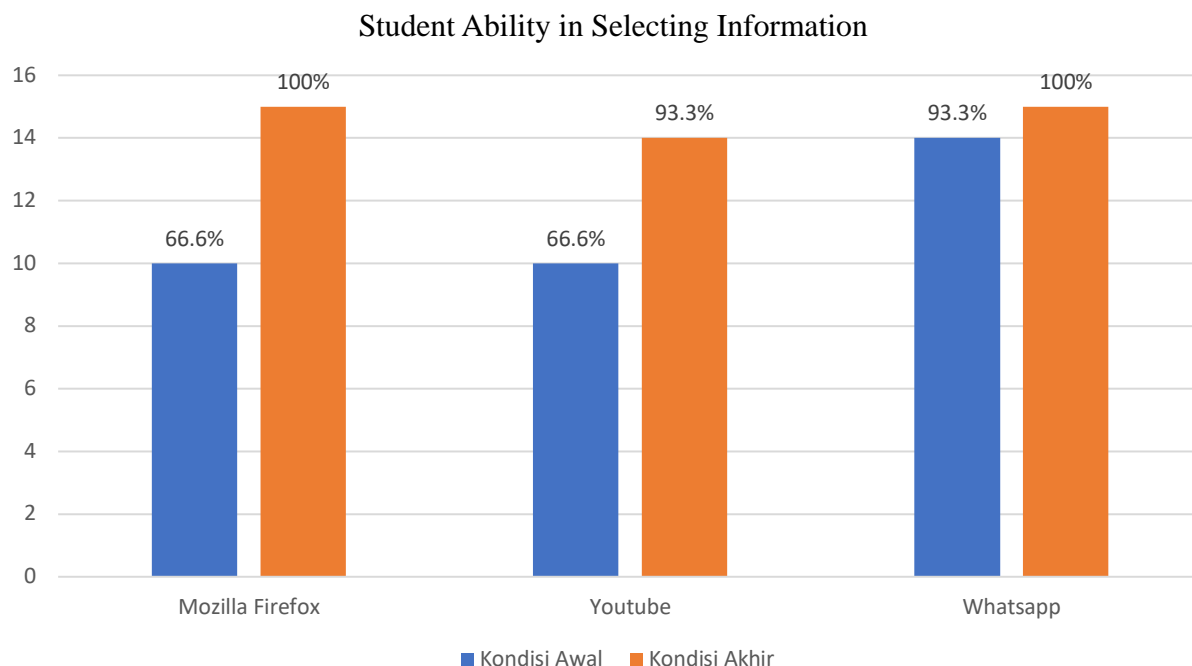


FIGURE 2. Ability Student in Selecting Information

Implementation digital literacy in SD Negeri Trobayan about ability selecting information can analyzed as following :

a) Ability selecting information through software mozilla firefox

No all information on that internet right. Especially many news circulating fakes with objective For confuse reader (Firmansyah, 2017) . it No only occurs in adults course, but to children too (Thunder, 2021) . How to select information the can done with method check source information, and don't take from One source just so you can ensure the truth (Triartanto, 2015) . Student class IV SD Negeri Trobayan capable in selecting information through mozilla firefox with ok. Based on the data obtained before exists training, there were 10 students (66.6%) got selecting information through mozilla firefox. the data experience enhancement after exists training to 15 students (100%). There is implementation the student capable selecting Miscellaneous appearance waters, like student can differentiate strait and sea.

In practice, students can choose required information through search for the appropriate keywords, so student will Study based on given and asked questions For look for the solution will be make student more criss (Galán, 2015) (Annisa et al., 2021) . For example, at the moment look for information about sea in Indonesia, then student will write down keywords in the form of " Sea in Indonesia". The amount outstanding information, students will open and understand a number of information For ensure truth information. Ability student class IV SD Negeri Trobayan Already nice, will but Still there is students who don't ensure truth information on the internet via mozilla firefox the. There is ability digital literacy make student experience learning process improvement (Eshet-Alkalai, 2004) .

b) Ability selecting information through software youtube

YouTube is one software that can used as learning media. There is youtube will help students and teachers in the learning process to be make student more creative and passionate (Kamhar & Lestari, 2019) (Bakri et al., 2021) . Spread information through YouTube is also easy, namely uploading via youtube (Octavianti et al., 2019) . In practice, students requested selecting information about appearance waters as well as floating markets. Based on the data obtained, before exists training able students selecting information through youtube as many as 10 students only (66.6%), however after exists training able students selecting information through youtube increase in a manner significant to 14 students (93.3%). Implementation selecting information youtube Trobayan State Elementary School students will search for videos by keyword, after That student Choose an interesting and stylish video easy language understood as well as in accordance with assigned task (Lasabuda, 2017) . It can make student understand to material the learning given (Cahyana & Kosasih, 2020) . Student will analyze information in youtube in accordance with assigned task. kindly overall ability student in selecting information through youtube Already ok. Student even Already understand features already There is in the youtube, so student Already capable

selecting information from youtube. Students can too watch repeat the video when forget or not enough understand material (Afnida, Hamda & Jamal, 2018) (Yunita & Wijayanti, 2017) . There is constraint in implementation, that is Still there is failed students focus and switch watch videos that do not necessary and deep its use Still needed supervision.

c) Ability selecting information through software whatsapp

Selecting information through whatsapp basically more easy than selecting information on the internet and youtube. this because information in whatsapp usually direct shipped in accordance with studied material (Mustami et al., 2021) . Whatsapp can also speed up exists discussion (Rambe & Bere, 2013) (Chang & Chen, 2015) . at the moment selecting information on whatsapp student only need For read in a manner thorough about information appearance water given by the teacher. Ability student class IV SD Negeri Trobayan in selecting information Already good. Based on the data that has been obtained before exists training there were 14 students (93.3%) capable select information through whatsapp, meanwhile after exists training amount student experience enhancement to 15 students (100%) capable selecting information through whatsapp.

it because the information provided through whatsapp group and use with wise. Whatsapp group teachers use for solve problem, give material as well as information Good to student nor parents student (Yensy, 2020) . There is whatsapp group very help learning and as a medium of communication (Ricu, 2019) . Student can use whatsapp with good and got respond information provided by the teacher as well can copy information important there is in whatsapp group. Constraints obtained in implementation that is Still there is students who don't notice the information provided (Kusuma & Hamidah, 2020) . Even, still there is students who don't open group whatsapp that causes left behind information.

Ability students' digital literacy in understand information

Implementation digital literacy in SD Negeri Trobayan in selecting information can seen in figure 3.

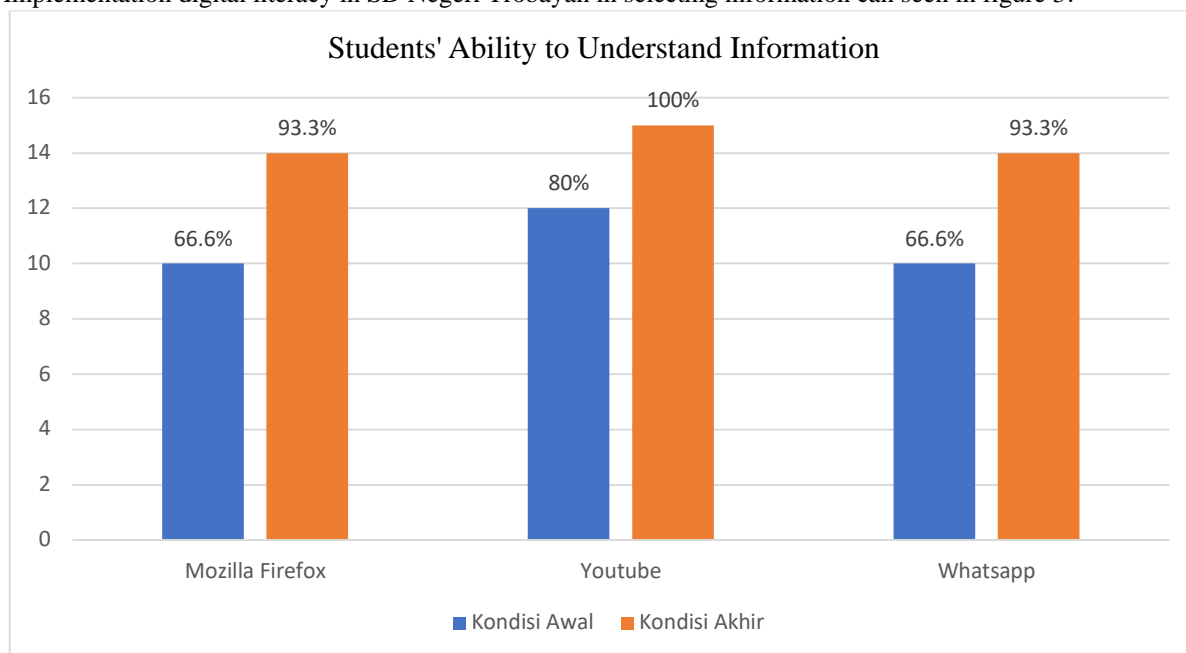


FIGURE 3. Ability Student in Understand Information

Implementation digital literacy in SD Negeri Trobayan about ability understand information can analyzed as following :

a) Ability understand information through software mozilla firefox

Obtained information student through mozilla firefox form information written, so in understand information the student must read especially first. Understand that is someone who can accept and understand the information obtained (Rehalat, 2016) . understanding is something Skills in know meaning from studied material (Winkel, 1996) . Ability student class IV SD Negeri Trobayan in understand information through software mozilla Already ok. Besides students, teachers should too

understand existing information For help students who don't understand then the teacher will explain information the (Novitasari & Fauziddin, 2022) .

Based on the data obtained during study ongoing, exists the increase experienced student in understand information through mozilla firefox. Before exists training that, students who can understand information on mozilla firefox as many as 10 students (66.6%), meanwhile after exists training, students who can understand information through mozilla firefox as many as 14 students (93.3%). Based on these data, almost all student can understand appearance waters and floating markets. understanding is level after knowledge (Kuswana, 2012) . Obtained information through mozilla firefox, will be checked accuracy and suitability with existing task. There is obstacles experienced in understand information through mozilla firefox at SD Negeri Trobayan that is there is a number of students who are lazy to read. There is constraint the make student No understand and less capable in make conclusion as well as tell return obtained material (Mirasanthi et al., 2016) (Tusfiana & Tryanasari, 2020) .

b) Ability understand information through software youtube

YouTube is one of the learning media effective popularity. Excess youtube that is access is free, easy, and loading Lots information as well as give more understanding Good (Lasabuda, 2018) (Snelson, 2011) (Lestari, 2013) . Ability student class IV SD Negeri Trobayan in understand information through software youtube Already ok. Based on the data obtained, it happened enhancement ability student in understand information about Miscellaneous appearance waters and floating markets through youtube. Student data before exists training that is as many as 12 students only (80%) can understand information through youtube, meanwhile after exists training students who can understand information through youtube as many as 15 students (100%).

Based on analysis of the data, can found that student class IV at SD Negeri Trobayan very like in understand information through youtube, because the information conveyed in the form of audiovisual that makes student No bored in see the video and create learning become interesting (Sutarti & Astuti, 2021) . Constraints obtained that is youtube video playback need good internet network so that the video is not experience buffering. When the video is watched experience buffering, students tend No focus even sometimes forget to already information There is before. Lack learning use youtube that is make students are lazy to write and also wasteful internet quota (Suryaningsih, 2019) (Zainuddin & Agustang, 2019) .

c) Ability understand information through whatsapp

Whatsapp is means in very popular communication. Whatsapp called as one application practical (Allagui, 2014) Through whatsapp everyone can share information Good in a manner text or text, photos, videos, and can do calling voice as well as video so whatsapp can become tool communication (Aharony & Gazit, 2016) (Chairunnisa & Benedictus, 2017) . Based on the data obtained, there are enhancement ability student in understand information through whatsapp. it can proven in research, that before exists training only there are 10 students only (66.6%) got it understand information, meanwhile after exists training amount understanding students information through whatsapp to 14 students (93.3%).

Based on these data, then student class IV SD Negeri Trobayan Already Good in understand information through whatsapp, even experience enhancement from before. Information learning will given by the teacher through whatsapp group class IV. Learning media use whatsapp will more effective (Zukirman & Rahayu, 2018) (Nabilla & Kartika, 2020) . The information conveyed by the teacher will digested and understood student. If student not enough understand information provided, students can ask to the teacher who made communication become two direction (Fitriyadi, 2013) .

Ability students' digital literacy in distribute and use information

Ability student class IV SD Negeri Trobayan in distribute and use information Already ok. Distribute that is ability distribute information to others (Asari et al., 2019) . Distributing is also possible interpreted deploy and customize message to the target message (Raharjo & Winarko, 2021) . Distribute and utilize information aims to make it easier learning and helping student in do assigned task. There is three element system education that is teaching, transfer of knowledge and skills, as well distribution information (Wirasti, 2007) . On implementation digital literacy seeks information on the internet, students class IV SD Negeri Trobayan Enough help student in find answer from assigned task. There is implementation the make student reproduce more knowledge, insight, and vocabulary than only Study through textbook.

at the moment implementation of digital literacy programs, students follow learning with enthusiastic. In fact, a lot from reluctant students learning This finished because with use learning digitally based make student imagine and explore more related learning carried out the. Information from the internet used For finish assigned

task to student. Learning useful digital based for student class IV SD Negeri Trobayan. Benefit exists learning digital based ie make learning become effective, communicative and save time in look for required information (Maulana, 2015) (Hidayat & Khotimah, 2019) (Jediut et al., 2021)

at the moment learning, students can distribute results obtained in advance his friends or can give addition information. Distribution information must precise and accurate (Novitasari & Fauziddin, 2022) . There is constraint in distribute information that is student Still doubt and shame in convey information to his friends. Constraint other that is there is lack facilities and manpower ability digital technology as well needed supervision (Albab, 2020) (Rigianti, 2020) . kindly whole exists implementation learning digital- based in class IV SD Negeri Trobayan Already Good in distribute and use the information obtained.

Implementation Ability Digital Literacy Through Approach Multiple Intelligences

Based on results research carried out with use approach multiple intelligences, implementation learning based digital literacy use increase ability students' digital literacy class IV at SD Negeri Trobayan can seen in table 1.

TABLE 1. Type Intelligence Class IV SD Negeri Trobayan

Type Intelligence	Amount Student	Percentage
Intelligence linguistics (<i>Linguistic Intelligences</i>)	4	22.22%
Intelligence Math logic (<i>Logical-Mathematical Intelligences</i>)	4	22.22%
Visual- Spatial Intelligence (<i>Visual-Spatial Intelligences</i>)	7	38.88%
Intrapersonal Intelligence (<i>Intrapersonal Intelligences</i>)	3	16.66%

Implementation digital literacy in SD Negeri Trobayan through approach multiple intelligences can analyzed as following :

- Intelligence linguistics (*Linguistic Intelligences*)
one Miscellaneous intelligence compound that is intelligence linguistics. Intelligence linguistics is intelligence shared by all man (Saifuddin, 2012) . Intelligence linguistics can interpreted as Skills in use the word or effective sentence (Armstrong, 2002) . Intelligence linguistics too interpreted as intelligence that has connection tight with others (Jasmine, 2007) . Based on results study about type intelligence student class IV SD Negeri Trobayan which has intelligence linguistics as many as 4 students own intelligence linguistics. 4 students the that is K Students, E Students, AS Students, and I Students. At the time learning, supporting activities intelligence linguistics is request student read results his job in front of class as well as request student For convey opinion or add results work his friend. it make student hone intelligence the linguistics.
- Intelligence Math logic (*Logical-Mathematical Intelligences*)
Intelligence logic mathematics often linked with use numbers and logic (Suparno, 2008) . Intelligence logic math is also defined as sensitivity to the number model or logic, and ability in arrange channel thinking length (Armstrong, 2002) . People who have intelligence logic mathematics usually own rational and logical thinking in solve something problem (Sharifah, 2019) . Based on results study about type intelligence student class IV SD Negeri Trobayan which has intelligence Math logic as many as 4 students own intelligence linguistics. 4 students the that is H Students, R Students, P Students, and RF Students. Implementation supportive learning exists intelligence logic mathematics that is student have interest in face assigned task the teacher with look for information on the internet earlier Not yet is known how, so student have interest I do test through progress existing technology.
- Visual- Spatial Intelligence (*Visual-Spatial Intelligences*)
Spatial visual intelligence that is related intelligence tightly with importance perception in disclose something visible (Armstrong, 2002) . Spatial visual intelligence can also interpreted as ability in give picture or visual object that can create repeat the visual world (Efendi, 2005) . Intelligence This own characteristic features like, son the feel interested to something related matters with picture or visual (Syarifah, 2019) . Based on results study about type intelligence student class IV SD Negeri Trobayan which has visual - spatial intelligence as many as 7 students own intelligence linguistics. 7 students the that is Q students, A students, G students, D students, RS students, V students, and Z students. Implementation learning based digital literacy also sharpens student in spatial visual intelligence, such as student capable observe pictures and videos over the internet, so student have good ability in color. For example, in learning going on student

observe suitable floating market pictures and videos with material given by the teacher. it make student hone ability imagination and visualization student in learn material the.

d) intrapersonal Intelligence (Intrapersonal Intelligences)

Intrapersonal intelligence ie intelligence will knowledge self Alone (Suparno, 2008) . This intrapersonal intelligence usually owned by introverts (Jasmine, 2007) . Intelligence This can interpreted as ability self in take decisions and get control himself Alone (Sharifah, 2019) . Based on results study about type intelligence student class IV SD Negeri Trobayan which has intrapersonal intelligence as many as 3 students own intelligence linguistics. 3 students the that is Student E, Student G, and Student I. Activities supportive learning intrapersonal intelligence is student requested give comment to results work her friend in a manner independent. Besides that, students can think in a manner independent or not depend on others. It can hone intelligence student in concentrate, as well No doubtful in take decision alone.

CONCLUSION

Based on learning based digital literacy with multiple intelligences approach in SD Negeri Trobayan Already nice and experience improvement. On execution learning there is four indicator that is access, select, understand, as well as distribute and use information. Software used in learning digital based, among others: mozilla firefox, youtube and whatsapp. From the fourth the indicators studied, all of them experience sufficient increase significant. Based on results study the can concluded that exists implementation learning based enough digital literacy effective in learning at SD Negeri Trobayan. The most effective software used as a learning medium that is youtube, if compared to with mozilla firefox And whatsapp.

Use approach multiple intelligences deep learning based effective digital literacy used in class IV SD Negeri Trobayan. Approach that, makes the teacher able know type intelligence each student. at the moment implementation learning digitally discovered four type intelligence student class IV SD Negeri Trobayan. Type intelligence students found, including intelligence linguistics, intelligence logic mathematics, visual- spatial intelligence, and intrapersonal intelligence. Between fourth type intelligence the student class IV SD Negeri Trobayan the most own spatial visual intelligence. There is learning based digital literacy with approach multiple intelligences enough effective used as learning media. However, on implementation learning need supporting facilities and infrastructure learning, as well need supervision of competent teachers and staff in field technology.

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