ASSISTANCE IN INTRODUCING THE BASICS OF INFORMATION AND COMMUNICATION TECHNOLOGY MEDIA AT SDN CIHANJAWAR IN 2023

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ABSTRACT

Learning media is a means of channeling learning messages and information. Instructional media that are well designed, really help students in digesting and understanding subject matter regarding the development of information technology in globalization and current information, spurring the development of increasingly advanced learning media. The use of Information and Communication Technology (ICT) as a learning medium is a requirement to increase knowledge and strength in the field of information and communication technology, in line with the Computer-Based National Assessment Implementation System (ANBK), which is the use of technology to form conducive and innovative learning. So that efforts are needed to increase students' knowledge in the use of Information and Communication Technology (ICT) through this research. The method used in this research is PAR (Participatory Action Research), with the target of Grade V and VI students at SDN Cihanjawar, Purwakarta Regency. The results of this study, students can get to know a little more about Media Information and Communication Technology (ICT) and can operate it better than before.Keywords: Socialisai, Learning Media, Information and communication Technology .

1.   INTRODUCTION

Information technology in the world of Educationn Information and communication technology can also be interpreted separately. Information technology is a technology used to process information. An example of information technology is computers. Communication technologies are used to transfer information from the source to the receiver. Examples of communication technologies are telephones and televisions. Education According to Law No. 20 of 2003 Education is a conscious and planned effort to create a learning atmosphere and learning process so that students actively develop their potential to have the spiritual power of religion, self-control, personality, intelligence, noble character, and keterampilan needed for themselves, society, nation, and state. According to Bambang Warsita, information technology is a facility and infrastructure. Such as *hardware*, *software*, and *useware*. The infrastructure is a system and method used for several stages. Such as obtaining, sending, processing, interpreting, storing, organizing and using data meaningfully. This definition of ICT was conveyed by Bambang Warsita (**2008: 135**). The current development of Information and Communication Technology (ICT) provides new opportunities for the world of education to develop new learning models to cover the weaknesses that Arises from the implementation of face-to-face learning. In terms of process, ICT can cover the weaknesses of space and time limitations, while in terms of content, ICT offers an understanding of content that is easier for learners to digest. (Sara et al., 2023) The ever-increasing development of technology requires anyone to be ready to take advantage of all technology-based media, both for doing work and communicating. The skills needed in using information technology media such as computers, laptops, even smartphones and the internet, are highly expected and mastered by usage(Devotion et al., 2022).

Entering the Century of Information and Communication Technology (ICT) is now very much needed and the importance of using ICT (Information and Communications Technology) in learning activities. Through the use of Information and Communication Technology (ICT) we can improve the quality of education , namely by opening wide to access to knowledge and the implementation of quality education. Information and Communication Technology Systems provide a wide, fast, effective, and efficient reach to disseminate information to various parts of the world. In line with the design of the Ministry of Education regarding the National Computer-Free Assessment (ANBK) in order to produce accurate information to improve the quality of teaching and learning which will ultimately improve student learning quality outcomes. Therefore, efforts are needed to increase children's knowledge in the use of ICT. From the picture that has been conveyed about ICT in children with the target of class V and VI at SDN Cihanjawar.

The National Assessment or Computer-Free National Assessment (ANBK) is a program of assessing the quality of each school, madrasah, and equality program at the primary and secondary levels. Director General of Teachers and Education Personnel (Ditjen GTK), Iwan Syahril explained a number of differences between the Computer-Free National Assessment (ANBK) and the National Examination (UN). Explained, the National Assessment consists of three main instruments, namely the Minimum Competency Assessment (AKM), Character Survey (SK), and Learning Environment Survey. The National Assessment does not replace the role of the National Examination (UN) in evaluating individual student achievement or learning outcomes. Instead, it replaces the role of the National Examination (UN) as a source of information to map and evaluate the quality of the education system. The quality of the education unit will be assessed based on the basic student learning outcomes, namely literacy, numeracy, and character skills, as well as the quality of the teaching and learning process and the climate of the education unit that supports learning. The National Assessment, explained by the Ministry of Education and Culture, is needed to assess the effectiveness of learning and curriculum achievement in educational units. As such,

the National Assessment is not designed to judge schools or to rank schools.(Hutahaean et al., 2022)

Based on the results of observations in the field before conducting the service, researchers interviewed several children at SDN Cihanjawar to find out how the potential of children in operating Information Technology Media and Communications. Researchers get results that they still feel rigid and unaccustomed to operating Information and Communication Technology Media which specifically uses Laptop media, researchers feel that The research program on Assistance for Basic Introduction to Media Technology Information and Communication is needed at the elementary school level because considering the current government program where The school exam , which was originally written on paper, is now changed to ANBK (Computer-Based National Assessment) thus researchers feel that the basic introduction of media Information and Communication Technology is very useful for children with elementary school level. As for the operation of Information and Communication Technology Media that the researcher did, namely by showing basic learning videos in the use of Technology Media Information and Communication, after showing the learning video, the researcher showed the procedures in operating a laptop. Then the researcher gave the children a chance to practice in the operation of Information and Communication Technology Media. The one where children are given the opportunity to turn on the Laptop refresh. Open the application available on the Laptop (Microsoft Word), Type to run the Keyboard, how to save Life, and how to turn off the Laptop Back. written by the Community Service Committee conducted at SDN Cihanjawar in 2023 emphasizes more on assisting the basic introduction of information and communication technology media provided to students, especially class V and VI. in using ICT as well as introducing them to the ANBK program.

In line with the explanation above, which has been carried out initial observations made by researchers, the researcher took the theme entitled assistance in the basic introduction of information technology media. and Communication at SDN Cihanjawar in 2023. Which in this case the researcher took the theme because at this time what we already know together is that the National Examination (UN) is replaced with the assessment of the National Assessment Computer-Based (ANBK). Thus, researchers help assist students, especially class V and VI, in using Information and Communication Technology media. The thing that is given to students is to help get to know in advance how basic to operate Media Technology, namely by using Laptop media. Participants were also taught how to operate a computer or laptop and use applications from available features, such as how to turn on a Laptop or Computer, how to open applications, how to type so as not to feel stiff, and turn off the Laptop or Computer Again. Because as we know that not a few students, especially at the elementary school level, are still rigid when using laptops and computers. Basic introduction of information and communication technology media to students both in the classroom and outside the classroom. The need for technology in the realm of education is not new, especially at this time the basic learning of information and communication technology is very useful in the era of Computer-Based National Assessment Assessment (ANBK) So that thus the use of technology to form conducive and innovative learning. This utilization has proven to play a big role in the smooth learning process and other things.

The objectives of this activity are: 1) Providing understanding in applying ICT-based learning; 2) Provide assistance and training on ICT-based learning governance, and the stages of development of ICT utilization; 3) Development of interactive learning media based on the use of technology with attractive visual displays and images for teachers in supporting teaching and learning activities. The benefits that will be obtained are as follows: 1) Assistance in the use of Information Communication Technology (ICT) is expected to provide effective solutions for partners, as well as the development of ICT-based interactive learning media. Teachers are able to design practical ICT-based teaching materials; 2) Implementation of mentoring and training activities that are used as a forum for teachers at SDN Cihanjawar to get the greatest benefit and be directly involved in utilizing ICT in learning

2. LITERATURE REVIEW

Information and communication technology-based learning is conceptually face-to-face learning with the support of information and communication technology that facilitates students asmaterial Delivery and as tutors in using digital content. Information and communication technology-based learning does not always eliminate the initial context of learning that takes place face-to-face in the classroom but goes through several stages of development according to school conditions. The use of ICT has become an integral part of human life. Sharing aspects of human life has been influenced by the development of ICT ranging from individuals to government agencies. In addition, ICT can drive the change of human civilization from the industrial age to the information age(Rulyansah et al., n.d.). Currently, computers are used in various fields, including education. It is estimated and certain that education in the future will be more activities that utilize computers in the learning process. The existence of computers is also familiar.

For children who are in the city or school in favorit school with adequate facilities and infrastructure, they are already familiar with computers and can at least use computers. But not necessarily for children who are in villages or remote areas. Because the facilities and infrastructure are not adequate, so their knowledge is lower.(Education & Counseling, n.d.)

2.1 Definition of Technology

According to Fauziah and Hedwig (2010: 4) the tightening of information and communication technology (ICT) is a technology used to handle information and help the way of communication (information processing) with the help of a computer for converting, modifying, storing, processing, sending, and receiving information. According to Munir (2010: 1) information and communication technology is various aspects involving technology, engineering, and management techniques 11 used in control and processing Information and its use in the computerization of various aspects of life related to social, economic, educational, and cultural. According to Munir (2010: 1) another definition of information and communication technology is a technology used to process, process, obtain, compile, and Manipulate data in various ways so that quality

information is produced. Quality information is relevant, accurate, and timely information. The information is used for personal or group purposes such as businesses, governments, and organizations that are used for strategic steps in decision making . Based on some of the descriptions above, it can be concluded that Information and Communication Technology (ICT) is a technology used in the process of obtaining, compiling , storing, manipulating, and processing data or information to produce data that is relevant, accurate , and timely for individuals or groups(Devotion Campus et al., 2022)

2.2 Use of Technology Media

Information and Communication Technology covers two aspects, according to the puskur of the Ministry of National Education (in Rusman, et al (2011) namely 1) Information Technology is to include everything related to processes, use as tools, manipulation, and management of information; 2) Communication technology is anything related to the use of tools to process and transfer data from one device to another. Thus, information technology and communication technology are an inseparable entity that contains a broad understanding of all activities related to the processing, manipulation, management and transfer or transfer of information between media. Another definition of Information and Communication Technology (ICT) is the diverse set of technological tools and resources used to communicate and create, disseminate, store and manage Information.(Azizah et al., 2021)(Farolai, 2022)

This broad definition of ICT includes radio technology, television, video, DVDs, telephones, satellite systems, computers and network hardware and software; and equipment and services related to these technologies, such as video conferencing and electronic mail (UNESCO, 2002). According to Mulyasa (2010) learning resources are references, objects, and materials used for learning activities, while according to AECT (Assosiation for Educational Communications and Technology) and Banks in Komalasari (2010:108) states that learning resources are everything or resources that can be utilized by teachers , either separately or in a combined form , for the benefit of teaching and learning. . The use of (Zulfi Fajriyah et al., n.d.) ICT as a learning medium can be through the use of computer devices as an innovative learning medium. It is hoped that the use of this media can stimulate the thoughts, feelings, interests and attention of students in such a way that the learning process can run well. In addition, the learning process will be more effective because the use of ICT as a learning medium allows overcoming obstacles in the teacher's communication process with participants Education such as physiological, psychological, cultural, and environmental barriers. (Fajri Azhar et al., 2021)

3. METHODS

The method used in this service uses PAR (Participatory Action Research). Service activities are carried out with three schemes consisting of preparations. Preparation and implementation of activities, reading activities, the results of activities participants understand about the functions and work systems of hardware and software. Participants were also taught how to operate a computer or laptop and use applications from the available features. The term a. PAR has three main pillars, namely research methodology,

action dimension, and participation dimension. Methodology research or cycle of diagnosis (problem), in this service children in school have the potential to learn ICT because basically the operation of the keyboard is the same as Handpohone. Thus, it can be easily directed, according to the research above, the service found that class V and VI children still do not understand how to operate Information and Communication Technology (ICT) properly and correctly. This activity was carried out in February 2023 located at SDN Cihanjawar Kp. Soreang Cihanjawar Village, Purwakarta Regency. This activity as a whole involves all students of class V and VI. This is done because researchers feel that students, especially at the elementary level, are not fully familiar with information and communication technology media. Thus researchers try to help in getting to know the basic use of information and communication technology media. The activities carried out start from preliminary studies, implementation, and evaluation. The implementation structure consists of coordination with the school, collecting student data, making a design for the implementation of assistance in the operation of Information and Communication Technology (ICT), entering student data, implementing assistance in the operation of Information and Communication Technology (ICT). In the preliminary study, the team conducted a site survey, a discussion about the desire to start digging for data, the problems faced so far with some the following stages: Coordination with partners Coordination with partners before this community service activity is carried out, coordination with partners , namely SDN Cihanjawar in Kp. Soreang Cihanjawar Village. The coordination was carried out contacting the Principal to request permission to conduct a basic introduction program for information and communication technology for students of grades V and VI. The training was carried out in February 2023 which was carried out by class V and VI students at SDN Cihanjawar. The implementation of the introduction of information and communication technology media is assisted by researchers. Assistance During the implementation of activities students in grades V and VI are given basic learning materials and videos regarding the use of information and communication technology media as knowledge material for can be learned. After participating in the introduction of information and communication technology media , it is hoped that students can get to know more or less how to use information technology media. and communication using Laptop or Computer media.

4. RESULTS & DISCUSSION

Information and Communication Technology (ICT) or more popularly known as Information and Communication Technology (ICT) has been growing and providing awareness of various fields. (Bambang Warsita 2006), argues that the development of Information and Communication Technology (ICT) has reached a third wave. The first wave arises in the form of agricultural technology. The second wave arises in the form of industrial technologies. Now, the third wave is marked by the rapid development of electronics and informatics technology.

The model of ICT utilization in the learning process in this study refers to Munadi (2013) who classifies the use of computers in learning into how many forms including the use of multimedia presentations , then related to the use of the internet in learning

which includes the use of e-mail and websites. The achievement of educational goals depends a lot on how the learning process is designed and carried out professionally. Every learning activity always involves two active actors, namely teachers and students. Teachers are creators of student learning conditions that are designed intentionally, systematically, and continuously. Meanwhile, students as students are those who enjoy the learning conditions created by the teacher. In other words, for the education and development of teachers / teachers is very important for the successful implementation of an Information and Communication Technology (ICT) -based curriculum

Conducting a visit to the partner location, conducting an interview with the Principal of SDN Cihanajawar Conducting a socialization discussion on the introduction of ICT a. Socialization is carried out by researchers. The implementation of the program is in the form of training and assistance during the period of implementation of the Community Partnership Program activities and partners agree on the time and place of the training and assistance. b. Training The training location is carried out in the classroom at SDN Cihanjawar with some training materials on theories of computer use in general along with their exercises and the use of the Computer-Based National Assessment (ANBK) system. c. Assistance in the Implementation of this activity carried out by Researchers to accompany training participants when receiving training materials on theories of computer use in general along with their exercises and the use of the Computer-Based National Assessment (ANBK) system. This assistance is carried out to ensure that the material received by students can be understood properly and correctly, so that there are no misunderstandings. Below is a photo documentation of community service activities carried out at SDN Cihanjawar.

This Pengabdian Masyarakat (KPM) activity was carried out for approximately 5 meetings in February to March 2023. The stages of achieving the target results will be outlined based on the sequence of implementation methods. The first week in carrying out service, researchers carry out service by making preliminary observations by visiting schools and asking permission from the school to carry out Preliminary observations to carry out the Program to be carried out by the researcher. Then the researcher prepares materials for the material to be carried out in accordance with the previously designed program, where the material is Laptop Media and Learning Videos the beginning is given to children. Then researchers began to introduce Information and Communication Technology (ICT) Media to students by providing initial information about the basic introduction of Basic Media Technology Information and Communication to introduce how to start in the basic Media of Information and Communication Technology. Week Two researchers began to carry out basic introduction by providing basic information about how to use and also introducing some information and also features in Media Laptop, researchers also know how to turn on a Laptop because it uses Laptop media , and also provide an overview of the basis of using basic media Information and Communication Technology. Week Three researchers carried out the service by repeating what had been said in the previous week about the basic procedures for using basic media Information and Communication Technology. Then give it to the children to start practicing

how to operate the basic Media of Information and Communication Technology. Namely by how to turn on the Laptop, how to refresh, how to open applications on the Laptop (Microsoft Word). Then given the opportunity to type their biodata that the researcher has previously taught, then how to save files in Microsoft Word, children are also given the opportunity to open applications google for kids can use the Internet Media available inside the Laptop , and how to turn off the Laptop that has been used again. The fourth week researchers began to provide full opportunities for students to operate the basic Media of Information and Communication Technology. And the results of the basic introduction of basic Media in Information and Communication Technology that have been carried out by researchers at SDN Cihanjawar in 2023. Researchers feel that children are getting used to it and don't feel stiff again when using the basic media of Information and Communication Technology using Laptop Media. Thus the programs that researchers have carried out during the service get changes even though they are not very significant. But more or less can provide what the children at SDN Cihanjawar need on this occasion. Because no matter how the use of basic Media Information and Communication Technology is needed at this time, because considering the program that has been initiated by The education government is that the National Examination (UN) is replaced with the National Computer-Based Assessment (ANBK). So that researchers feel that it is indeed necessary to carry out a mentoring program for the basic introduction of basic Media in Information and Communication Technology at SDN Cihanjawar.

Table of Names of Students who participated in carrying out the Kegiatan assistance in the basic introduction of Information and Communication Technology Media at SDN Cihanjawar in 2023

Name	Class	Gender
1. R M	IV	F
2. R Z S	IV	F
3. I S N	IV	F
5. 4. N S	IV	F
5. The R	IV	F
6. R P J	IV	F
7. P	IV	F
8. A M	IV	M
9. Y H	IV	M
10. S H	IV	M
11. M F A	IV	M
12. H K	IV	M
13. M IW	IV	M
14. M I	IV	M

15. M R F		IV	M
16. A M H		V	F
17. S A		V	F
18. M P		V	M
19. G P R		V	M
20. C N		V	F
21. A S		V	M
22. A L		V	F
6.	22. A L	V	F
7.	23. M R	V	M
8.	24. M H	V	M
9.	25. F S D	V	F

Figure 1. Initial Introduction to Information and Communication Technology (ICT) Media

Figure 2. Video Appearance learning about the basic use of Information and Communication Technology (ICT) Media

Figure 3. Practice of using Basic Information and Communication Technology (ICT) Media

10.   CONCLUSION

Based on the results of this community service activity, service researchers from STAI DR. KHEZ Muttaqien Purwakarta can draw conclusions that socialization activities about the introduction of information and communication technology (ICT) and healthy and safe internet in students of SDN Cihanjawar can be well received by the SD and can achieve the goals that have been targeted before. This devotion can be applied well so that the students of SDN Cihanjawar canuse technology even though there is no computer learning in school and of course in the current era of globalization a lot can be done by someone (student) with a computer because according to what we understand that computers are a medium or tool to facilitate someone's work both in the world education or in any field (Effendi, 2018). With the existence of computer learning, the school education system can provide students who are ready to face the future and better prepared to face the challenges of globalization. (Putriaji Hendikawati1), 2-10)

11.   ACKNOWLEDGMENTS

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