

Optimization of Information Technology Facilities in Islamic Basic Education in Madrasah Ibtidaiyah, Gringsing Sub-District

Sugiarti¹, Netty Herawati², Lilik Pamularsih³

^{1,2,3} UIN K.H. Abdurrahman Wahid Pekalongan

Email¹; sugiarti@gmail.com, Email²; netty.herawati@gmail.com, Email³; lilik.pamularsih@gmail.com

Abstract

This study aims to find out how to optimize information facilities using a Technology at Madrasah Ibtidaiyah (MI) Gringsing District This research qualitative approach with a descriptive method of collecting data on Madra done through observation. interview and observation to the Head Ibtidaiyah, teacher councils, and students. Data analysis using descriptive method. The results of this study prove that the optimization of Information. This study aims to find out how to optimize Information Technology facilities at Madrasah Ibtidaiyah (MI) Gringsing District. This research uses a qualitative approach with descriptive methods. Data collection was carried out through vations of the Hea Madrasah Ibtidaiyah, the teacher council, and students. Data analysis used descriptive methods. The results of this study prove that the optimization of Information Technology is still relatively limited. The Head of Madrasah has a very important role in optimizing Information Technology facilities in Madrasa Ibtidaiyah There are limited human resources, the Giruru in Madrasah Ibtidaiyah and students are obstacles to optimizing Through Information with the use of Information and Technology facilities, religious learning from Madrasas becomes more interesting and preferred. Student's media components are not fixed in one application (text, images, audio, video, animation, and simulation). The time and place for student learning is carried out flexibly, students are trained to create video content to be shared through internet accounts Optimizing Information Technology facilities can regenerate local traditions and wisdom. The conclusion from this study is that the commitment of the Madrasah Principal has a very large role so that the optimization of this information facility can really be optimized, to support basic education at Madrasah Ibtidaiyah in Gringsing.

Keywords: Information technology, education, Madrasah Ibtadiyah, Islamic Basic Education

A. Introduction

Education is a determining factor in the progress of a nation. Good education will produce good human resources as well. Education is also one of the efforts made to increase self-potential development in order to have intellectual,

spiritual intelligence and skills capable of facing life's challenges and adapting to changing times. One of the roles of the government in improving the education system is the development of the 2013 curriculum. The development of the 2013 curriculum is carried out in an effort to improve the quality of education to produce graduates who are creative and able to face life in the future. To produce graduates who are creative and able to face life in the future is to create meaningful and enjoyable learning¹

Madrasas as one of the bastions in the development of Muslims are expected to be able to find momentum to make themselves a worthy community development institution with a focus on optimizing, efficiency and effectiveness of coaching in order to produce quality products and produce strong cadres without having to ignore the characteristics of an educational institution. Islam. Concern for the quality of education in Islamic education institutions has existed for a long time. Education in madrasas so far seems to have been left out from the mainstream of national education, even with regard to the education of the nation's children, the position of madrasas in the national education system also relatively faces various obstacles in terms of quality, management and curriculum.

In general, there are still many people who are of the view that madrasas as Islamic educational institutions still face big obstacles such as being closed and very orthodox and not yet open towards the progress of science and technology, even though major changes are taking place around Islamic education which result in the effects of globalization cannot be ignored, therefore what Islamic educational institutions need to do is deal with it by eliminating or dealing with the negative impacts that arise so that from madrasas a generation of Indonesians will be born who are superior and competitive as mandated by law but still Islamic insight.²

B. Method

This study uses a qualitative descriptive research approach. This research was conducted at Madrasah Aliyah in Sukoharjo Regency, namely 3 (three) Madrasah Ibtidaiyah, namely: MI Islamiyah Mentosari, MI Al Hidayah Pelen and MI Salafiyah Gringsing. To check the validity or validation of the data, the referential adequacy technique, method triangulation technique is used. In the description of the research data, the institution under study is a private educational institution, which has the character of a public institution in general. Starting from the curriculum, learning process, teacher qualifications, infrastructure and others.

¹ Ridwan Abdullah Sani, *Learning Innovation*, Cet: 4 (Jakarta: Bumi Aksara, 2016) Pg: V

² Nuryana, Zalik. "Utilization of information technology in Islamic religious education." *TAMADDUN: Journal of Religious Education and Thought* 19.1 (2019): 75-86

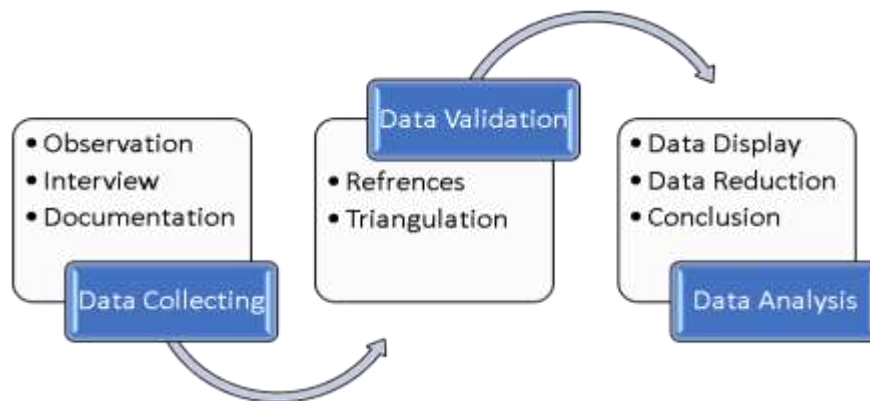


Figure 1. The research's process

C. Discussion

Definition of Information Technology

Information Technology is a technology that is used to process data, including processing, obtaining, compiling, storing, manipulating data in various ways to produce quality information, namely information that is relevant, accurate and timely, which is used for personal, educational, business needs, and government and is strategic information for decision making.

The meaning of information and communication technology which has implications for the use of computers as electronic media or media according to information technology experts, is as follows: 1) Software contains educational messages or information which are usually presented using equipment, 2) Communication channels that used to present messages between the source (messenger) and the recipient of the message, 3) Everything that is used to channel messages and stimulate the thoughts, feelings, and willingness of the learner so that it can encourage an intentional, purposeful and controlled learning process. 5) In this era of globalization and information, the development of learning media is also progressing. The use of Information Technology (IT) as a learning medium is already a requirement.³

Types of Information Technology Devices

There are 6 types of information technology devices, namely:

1. Computer

The computer is an electronic device, which carries out its operations under the command of the controller which is stored in the computer's memory. The computer is the main communication device in the ICT field. And its function as receiving and processing data as well as printing the results makes computers widely used by many agencies, both companies, offices and education. Computer (computer) is taken from *computare* (Latin) which means to count (to compute or to reckon). The word computer was originally used to describe people whose jobs were to

³ Muhson, Ali. "Pengembangan media pembelajaran berbasis teknologi informasi." *Jurnal pendidikan akuntansi indonesia* 8.2 (2010).

perform arithmetic calculations, with or without assistive devices, but the meaning of this word was later transferred to the machine itself. compute or to reckon). The word computer was originally used to describe people whose jobs were to perform arithmetic calculations, with or without assistive devices, but the meaning of this word was later transferred to the machine itself.⁴

2. Internet network

This network connects millions of computers scattered throughout the world. The Internet provides many advantages to users. Meanwhile, the internet (interconnected-networking) is a global system of all interconnected computer networks using the standard Internet Protocol Suite (TCP/IP) to serve users worldwide.

3. Blended Learning

Blended Learning is a learning model that combines several types of learning models that have been provided. Usually there are three forms of learning models, the first is face-to-face (face to face). The second is the online learning model of learning using the Web, blogs, e-learning, and so on. And the third is the offline learning model which is a learning model that utilizes CDs, DVDs, interactive audio cassettes and so on. All of them point to and are inseparable from the technology that has developed, especially networks in the form of the internet

4. Multimedia

Multimedia is defined as the use of several media in conveying information in the form of text, graphics or animated graphics, movies, video and audio

5. Educational TV

Television (TV) Education is the development of electronic media based on the interests of the world of education

6. WhatsApp media

Social media WhatsApp is one of the instant messaging applications commonly used to send and receive messages. Using WhatsApp without being charged pulse fees such as SMS and cellular telephones because it uses an internet data package

Steps to Use Information Technology Media

Optimizing the use of learning media effectively and efficiently needs to take steps systematically. There are 3 steps taken including preparation, implementation/presentation, and follow-up.

1. The preparation in question is in the form of the activities of a student worker who will teach using information technology media
2. Implementation/presentation of teaching staff when carrying out the learning process using learning media.

⁴ Susanto, Arief. "Pengenalan komputer." *IlmuKomputer.com*, (http://nyoman.staf.narotama.ac.id/files/2012/01/arief_pengenalankomputer.pdf), tanggal akses 7 (2022).

3. Follow-up of this activity is to strengthen students' understanding of the material discussed using information technology media.

Utilization of Information Technology in Learning

1. MII Mentosari

Based on the researcher's interview with Wasola as the Madrasa Teacher said that the application that helps in the learning process is not just one application but there are several applications that are used. If the only application has a problem, the other application takes the role of replacing the application that cannot be used. In my opinion, applications that help in learning are in the form of E-learning, WhatsApp, Google Forms, Zoom, Youtube, which of the 5 applications helps in the learning process, especially in learning, especially lessons about the fiqh of worship, namely students can see examples of the implementation of worship via Youtube.

2. MI Al Hidayah Plelen

Based on the researcher's interview with Nor Asikin, S.Pd as the Madrasa Teacher said that: The first thing to do is to be able to take advantage of technological media, make teaching materials through learning implementation plans in short with lesson plans. related to the preparations that were made, it was true that there were related preparations that were made before giving learning, of course the most important thing to do was to be able to apply technology to learning, especially in learning

3. MIS Islamiyah Sawangan

Based on the researcher's interview with Umar Hasan as the Madrasah Teacher said that: Madrasahs use IT for learning using IT WA media, and videos by means of the teacher preparing the lesson units first, then selecting audio-visual media.

D. Conclusion

Based on the opinion above, it can be concluded that information technology is a medium, material, or tool as well as methods and techniques used with the intention that the interaction of information and communication can take place effectively in accordance with the expected goals. used to process data, including processing, obtaining, compiling, storing, manipulating data in various ways to produce quality information. This is an important record of the development of Islamic education with information technology which is believed to be very helpful, student growth in developing their understanding of the lessons or material learned from educators or teachers and the textbooks they receive, this occurs because of the contribution of information technology.

The benefits of information technology-based learning consist of four things, namely: increase the level of learning interaction between students and teachers or instructors (enhance interactivity), enable learning interactions from anywhere and anytime (time and place flexibility), reach students in a broad scope (potential to reach a global audience), facilitate improvement and storage of learning materials (easy updating of content as well as archivable capabilities).

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