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Management of E-Library Based Learning Resources at SDIT Wahdah Islamiyah 01 Makassar

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Abstract: This study aims to explore the management of digital library-based learning resources (E-Library) at SDIT Wahdah Islamiyah 01 Makassar as a response to the needs of modern technology-based learning, especially during the COVID-19 pandemic. The approach used is qualitative with case study and phenomenology methods, and data collection techniques through observation, in-depth interviews, and documentation. The results show that the E-Zaid Library has made a significant contribution in improving access to digital teaching materials, strengthening students' literacy culture, and encouraging the transformation of a more flexible and adaptive learning process. The system is integrated with the school's academic system and provides various features such as user accounts, activity reporting, and a diverse collection of digital books. With the support of technology, digital libraries are an effective means to meet the needs of information and learning resources efficiently and sustainably. E-Zaid Library is not only a solution in times of crisis, but also an innovative model in digital-based school library management that is relevant in the era of digital transformation of education.

Keywords: management; learning resources; e-library

1. Introduction

The progress of an educational institution is supported by an increase in quality and competence which is a necessity, especially in the face of the rapid development of knowledge and technology. The development of technology is inevitable, because technology has become a necessity in human life to gain and add insight in the digitalization era. This highlights the remote / remote areas in the archipelago that lack literacy with a variety of ages. The presence of a digital library or E-Library is a facility that breaks all the limitations in remote areas of the archipelago, to then help improve literacy and obtain information. For developed societies, knowledge is important to them and libraries as one of the sources of knowledge are expected to integrate with the times towards the realm of digitalization. However, humans must always be selective with all types of data and information processed, information must always be accurate and relevant in order to avoid information that is not true or HOAX.

According to Law No. 43/2007 Article 1 paragraph (1), a library is an institution that manages collections of written works, printed works, and/or recorded works professionally with a standardized system to meet the educational, research, preservation, information, and recreational needs of the users [1]. The library is essentially a learning center and a source of information in which various books are collected and organized as a medium for students to learn [2]. A library is a place that is not only a source of information, but also a place that is useful in terms of learning [3]. In other words, the library is a great source of learning and vital knowledge that becomes one of the installations to realize the goal of educating the nation's life.

Learning resources are a necessity to improve and increase students' understanding of the material presented. Learning resources as a means of supporting the achievement of satisfaction in the teaching and learning process. Learning resources are very important in the learning process because learning resources are tools that can be utilized by teachers so that students can gain more comprehensive knowledge [4]. The availability of learning resources at school as a support in the learning process so that the more learning resources provided by the school, the greater the opportunity to improve students' understanding. To improve the ability and understanding of students, what must be done is to increase learning resources. Learning resources at school are not only focused on teachers, but there are many learning media that can be used as a reference for knowledge, one of which is the library.

The pandemic situation that hit a few years ago in 2020 requires all organizations, especially the world of education, to carry out all teaching and learning activities online. Covid-19 makes students able to adapt and change their learning methods by looking for reading materials to study at home during covid-19. The digital library or digital Lybrari is present and acts as a facilitator in obtaining extensive knowledge from various sources of information in the form of books, journals, and other media and is easily accessible to users. This helps users, especially students, to increase knowledge and develop insights efficiently during covid-19. The Covid-19 pandemic era that has hit almost all countries in the world has resulted in the emergence of rules regarding restrictions on physical activity outside the home, including libraries. As a result, libraries need to create several regulations regarding rules in the library that regulate various matters, including the implementation of health protocols, prohibiting users from visiting the library, and various other rules to prevent the spread of the Covid-19 virus [5]. Seeing the facts that occur, the existence of digital libraries can be seen as an ideal opportunity to be implemented in libraries during a pandemic. This assumption is based on the features and services of digital libraries that allow users to continue to utilize library services virtually.

Digital libraries are services and information that are supported by digital devices and in which there are collections in digital format and can be accessed through the network [6]. Digital Library is a form of application of information technology used to store and manage books in digital form [7]. IFLA and Unesco revealed that "A digital

library is an online collection of digital objects, of assured quality, that are created or collected and managed according to internationally accepted principles for collection development and made accessible in a coherent and sustainable manner, supported by services necessary to allow users to retrieve and exploit the resources" [8]. A digital library is a library that stores data in the form of electronic files and distributes them using electronic protocols through computer networks [9]. Digital libraries can be understood as library services that utilize information technology in managing, storing, and distributing collections in digital formats such as books, images, sounds, and so on. These collections can be accessed online through internet networks that are managed based on international principles to ensure quality, continuity, and ease of access for users.

2. Results

During the covid-19 pandemic, SDIT Wahdah Islamiyah 01 Makassar was required by the conditions for the provision of online services for students. The presence of a digital library provides a new color with convenience for students and other librarians who want to obtain information sources. Although E-Library gives a new color in the SDIT environment, the presence of E-Library also makes it difficult for all stakeholders, especially librarians and students who want to access information, books, and so on. However, such difficulties make SDIT to continue to develop its potential and keep up with the times in the era of the covid-19 epidemic. The digital library is a place for students to develop and be able to cultivate school literacy programs digitally with limited offline access in the library room.

SDIT Wahdah Islamiyah 01 Makassar for the first time launched the E-Zaid Library digital library on 11 Ramadan 1442 H which coincides with April 23, 2021 AD. The presence of a digital library greatly helps this school in conducting learning and makes it easy for students to read and search for various references needed and provided in the application. The digital library is a free service based on Android and OC Computer. E-Zaid Library application and can be downloaded via playstore via android or computer <https://play.google.com/store/apps/details?id=id.kubuku,kbk6594607> or via the link <https://kunuku.id/download/ezaidlibrary>.

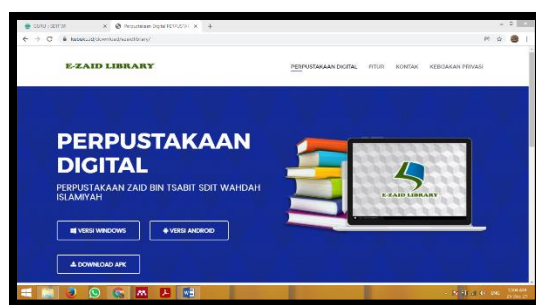


Figure 1. E-Zaid Library SDIT Wahdah Islamiyah 01 Makassar

Digital libraries contain various services and can be utilized as the most important process in digital libraries. SDIT Wahdah Islamiyah 01 Makassar has carried out digital learning management through an academic information system, including the utilization of E-Library. With E-Library, learners have access to reading books digitally in order to feel their abilities and add insight. All activities of students in learning and reading books are recorded in the database system automatically, so that it can be a reference for assessing the academic aspects of students. SDIT Wahdah Islamiyah 01 Makassar appreciates and supports the presence of this digital library, even the existence of E-Zaid Library has long been awaited. The application displays and requests user data so that the user's biodata can be recorded and stored in the database system before

entering the menu of books available in the E-Zaid Library. This is done so that the digital library manager or librarian knows who the students are who have accessed the library.

SDIT Wahdah Islamiyah 01 Makassar utilizes technological developments with the presence of E-Zaid Library which helps the maximum role in all teaching and learning activities. The management of E-Zaid Library digital learning resources that are easily accessible to all students contributes to improving academic achievement so that the culture of literacy is increasingly alive from day to day. So that the digital library becomes an alternative library that responds to every information need and as a service that provides various types of reading collections and makes it easy for users to search for information online. This supports the preservation of a culture of literacy that can be done easily anywhere and anytime. In this case, students not only interact with digital media, but also feel the growth and development of students' knowledge.

E-Zaid Library is a digital asset that has been owned by the educational institution SDIT Wahdah Islamiyah 01 Makassar and needs to be maintained and preserved in order to become a culture of literacy and obtain information. Managers must innovate more to attract more visitors. Keeping up with the times with the relentless advancement of information technology must be pursued. In addition, the central role in the library is the librarian, especially in the digital era, the librarian becomes the manager of the digital collection. Members of the E-Zaid Library digital library have the opportunity to access a wide variety of book collections offered in the application which consists of several categories, including: 1) Elementary School Books; 2) BSE (Electronic School Books); and 3) Study and Teaching Books. The book collection provided in E-Zaid Library. All available book collections can be accessed easily by users. E-Zaid Library provides three important information on the main page that is easy to access. Thus it is as a selling point and attraction for visitors or prospective library members of E-Zaid Library. The intended thing is, as follows:

1. Member accounts in accessing the digital library users will be given an account that can be used to access various features provided in the E-Zaid Library.
2. Many books are available, providing a variety of books, diktat, and needs for users provided in digital form.
3. Complete reports, provide reports on users who access the digital library in full

Similar to what Ghazali said in the discussion point above, E-Zaid Library also maintains a real commitment to the privacy policy of the school library by respecting and protecting every personal data or information of users of the E-Zaid Library application and its derivative applications. This privacy policy sets the basis for the acquisition, collection, management, analysis, disclosure and all forms of management related to data or information that users provide to the library including user personal data both when registering in the application, accessing the application, or using the services available in the application. By accessing or utilizing E-Zaid Library services, users declare that each user data is true and valid data and give consent to the library to obtain, collect, store, manage and utilize data as stated in the privacy policy and terms and conditions of the Zaid bin Tsabit SDIT Wahdah Islamiyah 01 Makassar library.

3. Discussion

The idea that first emerged as the basis for the concept of digital libraries came in 1945 by Vannevar Bush. Bush complained that manual storage of information hindered access to published research. Bush wanted information or knowledge that existed in various forms and formats to be organized so that it could be easily stored and found again if needed. Digital libraries started with library automation where library functions are done with the help of computers. Library automation began to develop in the 1980s. However, at that time only large libraries implemented library automation due to the high investment cost [10].

During the Covid-19 pandemic, every individual needs to master that digital literacy is an important thing needed to be able to participate in the modern world and anticipate the spread of negative information during the Covid-19 pandemic [11]. Digital libraries are a medium that helps humans, especially students, mark limited by space, time, circumstances, and any conditions, thus providing convenience in accessing them, including during the covid-19 period which made conventional libraries switch to digital libraries or E-Libraries. The activities carried out by librarians in digital libraries, include:

1. Selecting, maintaining, actualizing, organizing, and managing digital collections.
2. Designing the technical architecture of the digital library
3. Describe the content and attributes of metadata
4. Plan, implement, and support digital services.
5. Stabilize network-friendly services (user-friendly)
6. Design, maintain, and disseminate information.
7. Protect digital intellectual property rights in the network environment.
8. Ensuring information security.[12]

Digital library management is very important because it makes it easy for users to find references based on keywords so that they can obtain information. Digital Library is a system that has various services and provides information that can be accessed through digital devices [13]. This service makes it easy for users and librarians to find information in the form of documents, images, and databases in digital form quickly, precisely and accurately. Digital library is not only limited to electronic documents but only as a substitute for print media.

A digital library is a library that uses information technology and its collections are in digital form, can be accessed anytime and anywhere and the dissemination of information is very fast, precise and accurate[14]. Digital library itself is the management of a work, either printed works, or non-print works made in a professional manner, then put together into a system that is integrated into the software, with the aim of meeting the needs of research activities, activities to preserve library materials, education, information searches, and recreation for use by the public both general and special [7]. In the sense that, digital libraries are not always physical, but are seen and accessed through certain devices that are regulated by the system according to the needs of the librarian. There are several advantages of developing a digital library, including:

1. Long distance service, where libraries that present digital collections or materials provide an ease of remote access.
2. Easy to access, The use of digital technology provides flexibility for information seekers because they can perform various search methods.
3. Cost effective, digital libraries require the procurement of infrastructure and collections that are quite expensive. However, the ease of access and excellence of services provided to users is very high compared to other collections, so that when compared between cost expenditures and the benefits and benefits generated.
4. Effective and efficient maintenance of collections in digital form. Digital libraries have a great opportunity to own and store millions of pieces of information without worrying about lack of space. In addition, preservation of collections in digital form is very easy to do because the copy is very practical and does not require much cost and time.
5. Fast Response, In digital libraries, any complaints or questions submitted by library users will be answered immediately by the system used in the digital library.
6. Global network with internet access utilization. Users can search and communicate remotely in order to obtain information.[15]

Digital libraries are very helpful in providing space for users to obtain information easily and quickly. Through the digital library, all teachers and students can access the books in the library [16]. Digital libraries or E-Libraries shape students' skills in

understanding a limitless knowledge that can be accessed through digital media so as to obtain information from existing reading materials [13].

4. Materials and Methods

This research discusses the management of e-Library-based learning resources at SDIT Wahdah Islamiyah 01 Makassar. This research is a qualitative research using a case study approach and phenomenological approach. The case study approach is an approach taken to look at the object of research in depth by limiting both the focus of the problem and the system used in the research [17]. The phenomenological approach is an approach that departs from the assumption of a reality that occurs in actual understanding as the basic data of a reality [18]. The methods used in data collection are observation, interviews, and documentation. The data sources in the study are primary data sources consisting of the Head of SDIT Wahdah Islamiyah 01 Makassar, teachers, and recommended employees consisting of four people. Secondary data sources consist of books and journals relevant to the research conducted. A series of methods were carried out so that the research produced valid field data with data triangulation, namely, triangulation, techniques, sources, and time.

5. Conclusions

This research makes a significant contribution to the development of knowledge in the field of educational technology, especially in the utilization of digital libraries as a means of strengthening literacy and increasing access to learning resources. The study results show that effective digital library management not only supports the online learning process, but also encourages the transformation of literacy culture in the school environment. The findings can serve as a reference for other educational institutions in designing adaptive and sustainable library digitization strategies. Comprehensively, this study broadens the academic perspective on the integration of information technology in learning resource management and opens opportunities for further studies on the influence of digital libraries on the quality of learning and students' academic achievement.

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