

# Capacity Building of Librarians Through Senayan Library Management System (SLiMS) Training for Digital-Based Collection Processing

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## ABSTRACT

**Background:** Library is one of the supporting elements in the learning process in the institutions. The circulation of borrowing and returning books is an activity that runs in the library. The process of improving library services can be carried out by officers through various aspects started from the development of collection materials to the dissemination of information. However, in current conditions, there are still many circulation service processes carried out by libraries using conventional media by recording in the library ledger for every user who borrows books.

**Contribution:** The purpose of the activity is to provide knowledge to library managers to be able to take advantage of the Senayan Library Management System (SLiMS) in improving library services.

**Method:** The methodology used is through training and counseling to a librarian.

**Results:** The results of community service activities that have been carried out are the transformation of library processing using digital media in the form of the SLiMS application. Improved services to library users are becoming more optimal. This can be seen in the list of visits increasing to 30% every month and regulations on borrowing books reaching 25%, while delays in returning books have decreased to 2%. This has an impact because the process of tracking book collections is very easy so that the identities of the users are stored and can be monitored by librarian.

**Conclusion:** Services to library members are getting better and the knowledge of library managers is getting optimal in carrying out library processing with the help of SLiMS.

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## INTRODUCTION

The development of technology, especially in the field of information, is growing so rapidly, from the collection, dissemination and utilization of information sources. Digital-based technology has become a supporting element for the community in making decisions [1]. In the world of education, the use of technology is one of the important media in carrying out the learning process [2]. This is a consideration for librarian to innovate and to facilitate the management and service of librarian, especially in the digital era which is supported by the development of information technology [3] [4].

A college library is managed by a university with the aim of helping to achieve the goals of the university. It is organized by a higher education unit whose services are intended for the academic community of the university concerned [5]. In line with Law No. 43 of 2007 concerning libraries, it will help the development and realize the Tri dharma of higher education by making the university library as a facility owned by universities to support the development of science and student interest in learning so as to create intellectual students.

The problems that have occurred so far in the library processing book collection materials are still using the conventional way where the circulation of borrowing and returning collections by users is still using borrowed ledgers so that it is not yet fully optimally carried out by librarian [6]. The impact of circulation data is not well organized. This happens because the quantity of librarian has not utilized information technology as an effort in processing library materials such as cataloging, circulation services, and providing online catalogs as a source of information for users [7]. To overcome these problems, community service activities are carried out to provide innovative changes to the quantity of librarian in processing data through SLiMS training for digital-based collection processing [8].

The SLiMS application is a system that can simplify the work of librarians in terms of processing. This application aims to facilitate the process of information retrieval and procurement of library materials [9]. The existence of SLiMS in the university library aims to provide the best service to users to support learning, research, and community service activities based on technology and communication [10].

Furthermore, the librarians optimize it so that their users will be comfortable with the facilities that have been provided optimally. This way, you will be able to process and procure books more efficiently and quickly [11]. Currently, the development of SLiMS cannot be separated from a complex development community that can later contribute to a better library [12]. Library as an information provider institution must be able to provide the best service to its users [13]. The library as a source of information must be able to keep up with the developments and progress of the times. Libraries can develop well if they can keep up with existing developments [14]

Library is a collection of books and magazines. Although it can be interpreted as an individual's private collection, library is more commonly known as a large collection that is financed and operated by a city or institution, and is used by people who on average cannot afford to buy a large number of books with their own cost [15]. School libraries must be able to provide good service to members, library staff, and leaders [16]. Good service can be seen in the ease with which members get information quickly and accurately. If the library data processing is still done manually, there are several obstacles, namely the length of time looking for collection of books [17] [18]. Librarian difficulties in managing the borrowing and returning data are because they always have to open records so they are prone to errors. As time goes by, officers also have difficulty in checking more and more books that no longer need to be used [19].

The Pagar Alam Institute of Technology already has library staff with qualifications of expertise in the library field. However, in optimizing the use of technology in processing library collection materials, it has not been fully carried out optimally. It can be seen that the recording of regulations for borrowing books and returning books are still written in the library ledger which has an impact on the documentation of the users that cannot be arranged properly. In this condition, it is necessary to increase the competence of human resources in the library unit in processing collection materials with the help of the SLiMS application. Through community service activities, it is hoped that librarians can provide the best service in the library environment of the Pagar Alam Institute of Technology [20].

## **METHOD**

Service activities are through training and counseling approach to librarian of the Pagar Alam Institute of Technology with several activities including presentations, discussions, and hands-on practice. The steps of service activities are shown in Figure 1:



**Figure 1.** Steps for Community Service Activities.

### 1) Activity Preparation

The preparation of activities is carried out through a process of observation in the field before the service activities are done by making several observations of the process of managing the collection of library materials and the circulation that has occurred in the library so far.

### 2) Activity Implementation

The implementation of the activities is carried out after the observations are made so that the strategy in implementing the activities can be done properly. The implementation process goes through several stages including presentations, discussions, and training, so that librarians can immediately use the application as a medium in providing excellent service to users. The SLiMS application is used in processing book data in the library because it already has national standards that are required in the library. The way SLiMS works is to store all data collections of books in the library, along with the identity of library members. Besides that, SLiMS can be accessed using the internet network which makes it very easy for librarians and officers to provide services to library members [3].

### 3) Activity Evaluation

Evaluation of activities is carried out to see the achievement of the community service activity process. Evaluation is the final result of service activities whether each activity that has been done can answer and provide solutions to problems that occur in processing and service in the library.

## **RESULTS AND DISCUSSION**

### **Activity Preparation**

Community service activities are one of the duties of lecturers in carrying out the Tri Dharma of higher education. It is aimed at disseminating knowledge to the wider community. Preparation of service activities is increasing the ability of Pagar Alam Institute of Technology

librarians in providing services to users. Preparation activities are carried out through observations at the library technical implementation unit by observing the circulation activities of processing collections of library materials that have been running so far. It can be seen that the circulation processing process is still using the conventional method by utilizing the recording of borrowing and returning books using the library ledger. So there is a need for innovation by utilizing digital media to provide convenience for officers in processing circulation and collection of materials.

### Activity Implementation

The implementation of service activities is carried out at the library unit of the Pagar Alam Institute of Technology by providing knowledge on the use of SLiMS application users through presentations, discussions, and training. The presentation was made to provide knowledge about the features of SLiMS in processing the circulation of book collections and user data. The training carried out for librarians is shown in Figure 2.



**Figure 2.** Activities for Adding Book Collections to SLiMS.

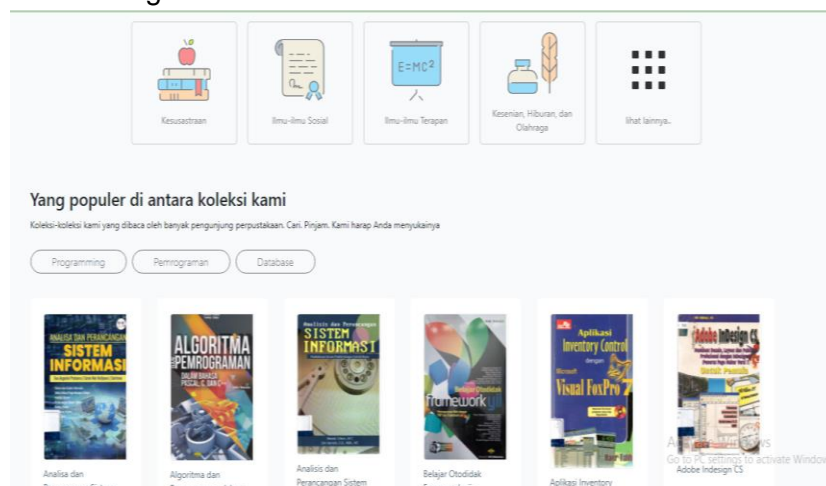
Based on Figure 2, the training was carried out by processing book collections on SLiMS and several officers entered the collection data. Utilization of the SLiMS application is one of the supporting elements in increasing the knowledge of librarian to provide excellent service and understanding in digital-based library processing. SLiMS has very good features and this can be seen during the implementation process of very detailed collection data processing, such as the number of collections that have very detailed identities like cover, ISBN, author, publisher, book size, year of publication, and even book collection abstracts.

The use of SLiMS is one of the elements of creating a digital-based library and this can be seen from the process of searching for collection data that can be done through applications. The circulation of borrowing and returning collection materials can also be monitored very well. Another impact that is felt for the users is to search for information on book collections simply by using smartphone or computer devices connected to the internet network structure.

Improved services to library users are becoming more optimal. This can be seen in the list of visits increasing to 30% every month and regulations on borrowing books reaching to 25%, while delays in returning books have decreased to 2%. This has an impact because the process of tracking book collections is very easy so that the identities of the users are stored and can be monitored by librarian.

## Activity Evaluation

Evaluation of activities is to determine the level of success of the implementation of service at the library unit of the Pagar Alam Institute of Technology. The process of processing data collection of books that have been completed managed by officers and librarians can be seen in Figure 3.



**Figure 3.** Display of Book Collection in SLiMS.

Based on Figure 3, it can be seen from the results of processing library collections using the SLiMS application, that library members can see the number of books available in the library by using the SLiMS application. The book collection consists of several identities such as title, author's name, year of publication, and abstract of the book collection which can be seen by the user before the book collection in the library is borrowed. Community service activities in improving the ability of librarians through SLiMS in digital-based library services have been going well, as it can be seen from the transformation of the processing of book collection materials from conventional to digital-based with the use of SLiMS applications.

## CONCLUSION

Library processing and services using digital media can be implemented very well. Various features can be used by librarians to process collection materials in the library. Several activities such as the circulation of borrowing and returning books, registration of library members, and up to checking the availability of collections in the library can be done using digital media connected to the internet network structure.

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