

## **The Effect of Library Facilities and Library Services on Reading Interests of Students In The University of Muhammadiyah Sumatra Utara**

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### **ABSTRACT**

This study aims to: (1) find out whether there is an influence of library facilities on students' reading interest in the North Sumatra Muhammadiyah University Library. (2) find out whether there is an effect of librarian services on students' interest in reading at the Library of Muhammadiyah University, North Sumatra. (3) find out whether there is an influence of library facilities and librarian services together on the students' interest in reading at the Muhammadiyah University Library of North Sumatra. This research is a quantitative research with descriptive method. The population in this study were visitors to the Muhammadiyah University Library of North Sumatra. The sampling technique used in this study was random sampling, as many as 78 visitors or 15% of the average number of library visitors each month. Data collection techniques are using the questionnaire method. Analysis of the data used in this study is a multiple linear regression analysis technique. Based on the results of the study it can be concluded that: (1) Library facilities have a positive effect on the reading interest of visitors to the Muhammadiyah University Library of North Sumatra. This is evident from the value of  $t_{count} > t_{table}$  ( $2.582 > 0.05$ ) at a significance level of 5%. The first hypothesis is proven, "There is a significant influence of library facilities on students' reading interest in the Library of the University of Muhammadiyah, North Sumatra. (2) Librarian services have a positive effect on the reading interest of visitors to the Muhammadiyah University Library of North Sumatra. This is evident from the value of  $t > t_{table}$  ( $0.274 < 0.05$ ) at the 5% significance level. The second hypothesis is proven, "There is a significant influence on the services of librarians to the interest in reading students in the Library of Muhammadiyah University, North Sumatra". (3) Library facilities and librarian services have a positive effect on the reading interest of visitors to the Muhammadiyah University Library of North Sumatra. This is evident from the value of  $t_{count} > t_{table}$  ( $8,193 < 0.05$ ) at a significance level of 5%. The third hypothesis is proven, "There is a significant influence of library facilities and librarian services on students' interest in reading at the Library of Muhammadiyah University, North Sumatra".

**Keywords:** *library facilities, librarian service, reading interest*

### **INTRODUCTION**

Science and technology that continues to develop a major influence on human life. The current era of globalization has experienced various competitions in various fields. The role of human resources is a top priority in responding to this challenge. The development of priority resources is the development of human resources. One effort to improve human resources is through education. Education will direct people to acquire new knowledge that can deepen their insights and knowledge. The 1945 Constitution states that one of the goals of the state is to educate

the nation's life. One effort to educate the nation's life is by providing library facilities at each university that aims to provide information and various sources of knowledge that can help broaden horizons through the collection of library materials, scientific magazines and scientific works. The existence of a library will help students to find and select reference books and read them to obtain the desired information. An absolute requirement for students to be able to use the library is that they must be able to read and have an interest in reading. The library is the main pillar in education that cannot be separated from its existence as an effort to educate the nation's life. In order to support the growth and development of the nation's education, it is necessary to have a superior library. A superior library is a library that can find out the needs and satisfy its users. User satisfaction is the ultimate goal of all library activities and is also the final goal of a library information service. Therefore, libraries are always required to improve the quality of service. A good quality of service will attract students to visit the library and conduct reading activities.

The low interest in reading is one of the factors that causes the low interest of students to visit and utilize the library. This situation causes students not to have good reading habits, thus affecting their ability to understand reading. Therefore, increasing interest in reading is the main key in making the book media as a means of disseminating information and knowledge in an effort to educate the nation's life. If students have a high interest in reading, they will be interested in using the library to increase their horizons.

The library is less desirable by students can also be caused by internal factors, such as lack of attention to aspects of procurement and maintenance of existing library material collections, limited facilities, and so on. This will cause its own problems. These problems are caused, among others, by the limited number of library materials available so that it does not provide a conducive atmosphere for the growing interest in reading students as visitors who use library services. The collection of library materials, especially books on knowledge in the library, has not served the availability of a variety of reference books that can facilitate students to find information. Less varied reading books cause students not interested in reading, because the information needed is not available in library reference books.

In order to improve the quality of services and facilities, the library must provide various information and try to bring students together as users with the information provided. The functions, roles and efforts of the library have not yet been fulfilled and achieved as expected. This is indicated by the still found complaints of students as library users who feel disappointed because the service is not satisfactory, because the required information is not available in the library. In order to provide good service according to its function, the library requires adequate personnel and facilities in terms of the quantity and quality that it must have. To improve the function of information in supporting teaching and learning tasks, the library must be active and have a vision for the future.

The existence of librarians who reliably manage libraries will be able to create libraries that are feasible and interesting to visit. In addition, the development of Science and Technology (Science and Technology) is currently very influential for individuals and organizations to access information. Students as users will increasingly expect a lot in efficiency and effectiveness in accessing all library services in and through the network including catalogs, requests and delivery of documents and other needs that require internet network usage. In this case, librarians are required to be able to master the internet network system that will be used in the library which is then used.

Based on the background of the problem above, the research problem is formulated as follows: (1) Is there any influence of library facilities on students' reading interest in the University of Muhammadiyah Sumatra Utara Library?, (2) Is there an influence of librarian services on students' interest in reading at the University of Muhammadiyah Sumatra Utara Library?, (3) Is

there an influence of library facilities and librarians 'services together to the students' interest in reading at the the University of Muhammadiyah Sumatra Utara Library?.

This research aims to : (1) Analyzing the effect of library facilities on students' reading interest in the University of Muhammadiyah Sumatra Utara Library, (2) Analyzing the effect of librarian services on students' interest in reading at the University of Muhammadiyah Sumatra Utara Library and (3) Analyze the effect of library facilities and librarian services together on student interest in reading at the University of Muhammadiyah Sumatra Utara Library.

Depdikbud (1995), as quoted by Yani (2010: 157) states that library facilities include: (1) rooms, (2) equipment, (3) furniture, and (4) must be functional. But along with the discovery of computers and the application of ICT (Information and Communication Technology) in libraries, the four elements of the facility have developed in accordance with technological advances and the demands of the work faced. Mudjito (2008) explains that the library must be quite extensive, the location of the library must be strategic, and there is space for learning. Building lighting, ventilation, and sound control must be conducive to library functions. Use of facilities must be free from distractions. The library is a center for the collection of various information and knowledge in the form of books and other recording materials which are organized to be able to meet the needs of the reading community. Based on the expert opinion above, it can be concluded that library facilities mean everything that is physical or material that can facilitate all library activities can be carried out.

Harahap, et al (1998) explain that a librarian is someone who is certified in the field of library, documentation and information at least the level of professional education and / or a level of qualification recognized by the Indonesian Librarian Association and works in the field of library, documentation and information, in accordance with scientific methodology that he obtained. The Indonesian Librarian Association expressed the understanding of librarians as stated in Chapter I of the Indonesian Librarian Code of Ethics, "A librarian is someone who has carried out library activities by providing services to the community in accordance with the duties of the parent institution based on library science, documentation and information he has through education". Based on the expert opinion above, it can be concluded that the librarian is someone who is certified in the field of library, documentation and information who is responsible for providing services to the public or library visitors in accordance with the scientific methodology obtained.

Librarian service is an important determinant in the achievement and success of the existence of a library as a repository of knowledge. This relates to user service. User services provided by a library generally include administration services, procurement of collections, and utilization of collections. Based on this definition, it can be concluded that the service (service) is any action or activity which is basically intangible physically offered from one party to another so as to bring satisfaction or benefit. The definition of service in question is a service to students as users / users of the library. Service has a universal nature, meaning that it applies to anyone who wants it. Therefore, service that satisfies the user plays an important role so that the library can excel.

Slameto (2003) explains that interest is a sense of preference and a sense of connection to a thing or activity, without being ordered. In addition, Kartono (2008: 192) states that interest is a moment of intensely directed tendency towards an object that is considered important. This interest is closely related to personality, and always contains an affective / feeling, cognitive and will element. Based on the opinions of the experts above, it can be concluded that interest is something that arises due to habits that are attracted to something and can be formed, studied and developed.

## **METHOD**

This research was conducted at the University of Muhammadiyah Sumatra Utara Library Campus 3 located at Jalan Captain Muchtar Basri Number 3 Medan. Data sources in this study were divided into two namely field data collected directly by researchers from respondents as primary data. While secondary data in this study are documents obtained from books, relevant journals and data from the University of Muhammadiyah Sumatra Utara Library as data that supports this research. Data collection methods used are: (1) *Questionnaire or questionnaire method*, which is collecting data by distributing questions to respondents to get information, information, responses, or things that are known in writing. So the questionnaire or questionnaire is a number of questions asked to respondents and the answers are given in writing, (2) *Documentation method*, obtaining data about the number of employees, organizational structure, agency history and other information needed, and (3) *Observation method*, collecting data through direct observation of the object under study such as library facilities and librarian services in the University of Muhammadiyah Sumatra Utara Library. Data analysis techniques in this study are conducting validity and reliability tests to test the diversity of research instruments. In addition, in order to strengthen the results of the analysis the researchers conducted a prerequisite test analysis and hypothesis testing.

## **RESULT AND DISCUSSION**

### **A. History of University of Muhammadiyah Sumatra Utara Library**

University of Muhammadiyah Sumatra Utara Library (UMSU) is inseparable from the birth of the Faculty of Philosophy which was established on February 27, 1957. Initially it has two campuses in different locations, namely Campus I is located on Jalan Gedung Arca, while Campus II is located on Jalan Demak, Medan. The effort to build campus III building was based on the demands of the need to increase the number of students who registered in 1982.

That's why the leadership of UMSU tried to provide and establish a new campus. With the help of Mr. H. Probo Sutedjo as the Chancellor of UMSU, Stand Campus III is located on Jalan Kapot Muchtar Basri No. 108-112, Glugur Darat II Medan, North Sumatra with a building area of approximately 2 hectares. In 1992 UMSU campus III was inaugurated three building units namely the rectorate unit, the economics faculty building and the law faculty who joined the faculty of political science and the UMSU Rectorate who were originally on campus I moved to campus III. Since its establishment, the UMSU Library has a number of leaders. The leaders who have led the UMSU library include; 1) Syobrun, 2) T. Syahbandar Umri, S.E (2003 - 2005), 3) Irfan Bustami, S.H., M.Hum. (2005-2017), 4) Azharryandi Arman, S. Sos. (June 2017-November 2017), and 5) Muhammad Arifin, M.Pd. (2017-present). The Head of the University of Muhammadiyah Sumatra Utara Library (UMSU) main campus is Muhammad Arifin, S.Pd., M.Pd.

### **B. Library Services**

The services available at the University of Muhammadiyah Sumatra Utara Library include the following.

1. Cashier, for the cashier at UPT UMSU Library is centered on the return officer. The cashier received a fine payment.
2. Lockers, locker services are provided for users who want to store all luggage such as bags, books, and others. Before utilizing the library locker service, ask for the key to the picket officer.
3. Circulation services, for lending and borrowing, have used the Senayan System or the Senayan Library Management System (SLiMS) and Open Access.



4. Administration services, which are carried out in the morning and afternoon. As for several services including; 1) Registration of library members, 2) Making library member cards, 3) Correspondence, 4) Submission of scientific papers, and 5) Making barcodes.
5. Digital services, currently available four computer units that can be used by students to be able to access quickly to access the internet for free. In this digital service, students can do Online Resources available at the Muhammadiyah University Library, North Sumatra. The Online Resources available in the UMSU Library include 1) Thesis, 2) UMSU Journal Articles, and 3) E-Book.
6. KKI services, a collection of scientific works provided to users in connection with the results of scientific writing (research) conducted by the UMSU academic community in printed form, especially for the thesis form, in addition to the print form since 2017 has been switched to CD ROM. Search for information can be done through the Repository.
7. Multimedia services, are services that are directly in contact with IT. Audio visual collection that is owned in the form of a CD, CD ROOM. Including cable TV services, users can also enjoy the desired channel.
8. Reference services, are services provided to users aiming to help users in searching for reference information. Through this reference service users are helped to find and search for detailed information.

The existing facilities at the UMSU Library include the following, (1) Meeting and discussion rooms, (2) Reading room, (3) BI Corner Services, (3) Japan Corner, (4) French Stall, (5) India Corner.

### **C. Questionnaire Trial Results**

#### **a. Test Validity Questionnaire**

##### **1. Test the Validity of Questionnaire Library Facilities ( $X^1$ )**

Validity test uses the product moment correlation formula. Questionnaire items are declared valid if the price of  $r_{xy}$  is greater than  $r_{table}$  at the significance level ( $\alpha$ ) = 5% with  $df = 20$  is 0.444. The results of the calculation of the validity test of the library facility questionnaire showed that of the 12 items proved to be valid, so that all items could be used to retrieve research data.

##### **2. Test Validity of Librarian Service Questionnaire ( $X_2$ )**

Validity test uses the product moment correlation formula. Questionnaire items are declared valid if the price of  $r_{xy}$  is greater than  $r_{table}$  at the significance level ( $\alpha$ ) = 5% with  $df = 20$  is 0.444. research data.

##### **3. Test Interest Questionnaire Validity Test (Y)**

Validity test uses the product moment correlation formula. Questionnaire items are declared valid if the price of  $r_{xy}$  is greater than  $r_{table}$  at the significance level ( $\alpha$ ) = 5% with  $df = 20$  is 0.444. The results of the calculation of the validity test of the library facility questionnaire showed that out of 16 items there were 3 invalid items namely numbers 35, 38 and 40 so these items had to be removed. Item number 35, 38 and 40 are invalid because  $r_{xy}$  is smaller than  $r_{table}$  at a significance level of 5% (0.444). Based on these results, the library facility questionnaire left 13 valid questionnaire items.

#### **b. Questionnaire Reliability Test**

The questionnaire reliability test uses the Cronbach Alpha formula. The results of the questionnaire reliability test are as follows.

**Table 4.1. Questionnaire Reliability Test**

Variable	$r_{xy}$	Critical Value	Information
Library services	0,7876	0,6	Reliable
Librarian Services	0,7965	0,6	Reliable
Interest in reading	0,7843	0,6	Reliable

Source: Primary data processed

The reliability test results for the librarian service questionnaire and reading interest obtained coefficient values of 0.7965 and 0.7843, both of which were greater than 0.6 so that it could be concluded that the two questionnaires were also reliable or reliable.

## **D. Data Analysis Results**

### **1. Testing the Analysis Prerequisites**

#### **a. Normality test**

Normality test is carried out to find out whether the data comes from populations that have a normal distribution or distribution. Data normality test in this study uses the Lilliefors method through the Kolmogrov-Smirnov test in SPSS Release 16.0. Acceptance or rejection of data normality assumptions is to compare  $L_{0max}$  with the critical value taken from the list of critical values of the Lilliefors test at the real level ( $\alpha$ ) = 0.05. If  $L_{0max} < L_{table}$ , then it can be stated that the data is normally distributed. Based on the results of SPSS 16.0 output, it is known that the significance value of Asymp.sig (2-tailed) of 0.733 is greater than 0.05. It was concluded that the data were normally distributed.

#### **b. Linearity Test**

##### **1. Linearity Test of Library Facilities ( $X^1$ ) on Interest in Reading (Y)**

Based on the results of data analysis, the value of deviation from linearity sig is obtained. of 0.101, this price was consulted with  $F_{table}$  at a significance level of 0.05. The result is  $0.101 < 0.05$ . Then it can be concluded that there is a linear relationship between library facilities and student interest in learning. The following are the results of the linearity test of library facilities ( $X^1$ ) on reading interest (Y).

##### **2. Librarian Service Linearity Test ( $X^2$ ) on Interest in Reading**

Based on the results of data analysis, the value of deviation from linearity sig is obtained. of 0,274, this price was consulted with  $F_{table}$  at a significance level of 0.05. The result is  $0.274 < 0.05$ . Then it can be concluded that there is a linear relationship between library facilities and student interest in learning. The following is the result of the linearity test for the librarian ( $X^2$ ) towards reading interest (Y).

#### **c. Multicollinearity Test**

Multicollinearity test is used to determine whether there is a correlation between one independent variable with another. Multicollinearity testing is done by looking at the amount of Tolerance Value and Variation Inflation Factor (VIF). Based on the output coefficients table, it is known that the tolerance value of the facility ( $X^1$ ) and service ( $X^2$ ) is 0.195, which means it is greater than 0.10. While the value of the Variation Inflation Factor (VIF) for the facility variable ( $X^1$ ) and service ( $X^2$ ) is 5.116, which means it is greater than 10.00. Then referring to the basis of decision making in the multicollinearity test it can be concluded that there were no symptoms of multicollinearity in the regression model.

## 2. Hypothesis Testing

### a. Multiple Regression Analysis

Based on the results of calculations with multiple linear regression analysis obtained the following results.

**Tabel 4.2 Multiple Regression Analysis  
Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	7.565	3.209		2.357	.021		
	Fasilitas	.211	.082	.230	2.582	.012	.195	5.116
	Pelayanan	.750	.092	.729	8.193	.000	.195	5.116

a. Dependent Variable: Minat\_Baca

The results of the above spss data indicate that:

- Sig value library facilities towards learning interest of 0.021 <0.05, the hypothesis is accepted.
- Sig value librarian services to the interest of learning by 0,000 <0.05, the hypothesis is accepted.

### b. Test Analysis F

Based on the results of the F test via the spss program, sig values were obtained. of 0,000 (p <0.05), it can be concluded that the hypothesis is accepted. This means that library facilities and librarians 'services have a significant influence together with students' interest in learning. This can be seen in the following table presentation.

**Tabel 4.3 Multiple Regression Analysis**

**ANOVA<sup>b</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3105.466	2	1552.733	285.845	.000 <sup>a</sup>
	Residual	407.406	75	5.432		
	Total	3512.872	77			

a. Predictors: (Constant), Services, Facilities

b. Dependent Variable: Interest\_Read

## CONCLUSION

### 1. Effects of Library Facilities on Interest in Reading

The results of testing the first hypothesis using the t test show that there is a positive influence of library facilities on reading interest. This is evident from the value of  $t_{count} > t_{table}$  ( $2.582 > 0.05$ ) at a significance level of 5%. This means that the level of interest in reading is determined by the completeness of the library facilities. The more complete the library facilities, the higher the interest in reading.

The library as one of the means and resources for effective learning to increase knowledge through a variety of reading material. Unlike the knowledge and skills learned classically at the university, the library provides a variety of library materials that can be enjoyed individually by its readers. The availability of various library materials gives the possibility for everyone to choose library materials according to their interests and needs.

## **2. Effect of Librarian Services on Reading Interest**

The results of the second hypothesis testing using the t test showed that there was a positive influence on the services of librarians on reading interest. This is evident from the value of  $t > t_{table}$  ( $0.274 < 0.05$ ) at the 5% significance level. This means that the level of interest in reading is determined by the quality of the services of the librarian. The better the service of the librarian, the higher the interest in reading.

Librarian is the person who is fully responsible for the library. Librarians must have the ability to manage the library, understand the vision and mission of the library, and also understand the reading needs of the community. As in the North Sumatra Muhammadiyah University Library, it has been equipped with:

- a) Circulation services, for lending and lending, have used the Senayan System or the Senayan Library Management System (SLiMS) and Open Access.
- b) Digital services, currently available four computer units that can be used by students to be able to access quickly to access the internet for free. In this digital service, students can do Online Resources available at the Muhammadiyah University Library, North Sumatra. The Online Resources available in the UMSU Library include 1) Thesis, 2) UMSU Journal Articles, and 3) E-Book.
- c) KKI service, a collection of scientific works provided to users in connection with the results of scientific writing (research) conducted by the UMSU academic community in printed form, especially for the thesis form, in addition to the print form since 2017 has been switched to CD ROM. Search for information can be done through the Repository.
- d) Multimedia services, are services that are directly in contact with IT. Audio visual collection that is owned in the form of a CD, CD ROOM. Including cable TV services, users can also enjoy the desired channel, and
- e) Reference services, are services provided to users aiming to help users in searching for reference information. Through this reference service users are helped to find and search for detailed information.

## **2. Effects of Library Facilities and Librarian Services on Reading Interest**

The results of testing the third hypothesis using the t test showed that there was a positive effect on librarians' services on interest in reading. This is evident from the value of  $t_{count} > t_{table}$  ( $8,193 < 0.05$ ) at a significance level of 5%. This means that the level of interest in reading is determined by library facilities and librarian services. Reading is an important and fundamental thing to be used as a habitual activity. This must be developed in order to improve the quality of human resources. But based on the results of interviews with library staff and students as Muhammadiyah University Library users in North Sumatra, the lack of interest in reading is due to the lack of reading time and the scarcity of reading books. One effort to stimulate public interest in reading is by providing a library that has adequate facilities and infrastructure.

In terms of facilities, libraries must be able to provide facilities and infrastructure where librarians and library users can use the internet. In this case, the library provides a number of computers as terminals connected to the internet. The provision of access services aims to obtain information sourced from the web that is needed by students to support the teaching-learning process, data search, research and so forth. As is the case in the library of the University of Muhammadiyah North Sumatra providing circulation services that are used as lending and lending



already using the Senayan System or the Senayan Library Management System (SLiMS) and Open Access. In addition there is a digital service, currently in the Library of the University of Muhammadiyah North Sumatra there are four units of computers that can be used by students to be able to access quickly to access the internet for free. In this digital service, students can do Online Resources available at the Muhammadiyah University Library, North Sumatra. The Online Resources available in the UMSU Library include 1) Thesis, 2) UMSU Journal Articles, and 3) E-Book.

In terms of the librarian, the role of the librarian is very important because the librarian carries out the mission and objectives of the library, builds interest in reading and evaluates visits and progress. Librarians should have knowledge and skills in information systems. Librarians also play a role in arranging the reading room in such an interesting, fun, comfortable and easy way for library visitors to access to be interested in visiting and reading. Librarians also need to introduce books that are good and in accordance with the level of age and education of visitors.

The Suggestions that can be raised from the results of this study are:

1. The results of this study can be used as a basis for further research development. In addition, the research results can also be used as a reference in increasing interest and reading culture among students of the academic community through the provision of the North Sumatra Muhammadiyah University Library which has complete facilities and excellent and professional librarians in their fields.
2. The library facilities of the University of Muhammadiyah North Sumatra are already good and have obtained an A accreditation and are accepted openly by library visitors so that they need to be maintained and improved in quality so that in the future they will become superior libraries.
3. Librarian services are good. In this case it needs to be maintained and improved by providing library management training for librarians and even schools so that libraries increasingly innovate.
4. Interest in reading that still needs to be motivated and enhanced by providing socialization and promotion of a reading culture.
5. Librarians are expected to be able to maintain the quality of service. In this case, prioritizing the needs of library visitors. This is very important to do to create a comfortable atmosphere and attract high reading interest.

## REFERENCES

- A. S. Sudirman R. Raharjo & Amung H.(2001). *Media Pendidikan*. Jakarta: Grafindo Persada.
- Abdurrahman, Mulyono.(1999). *Pendidikan Bagi Anak Berkesulitan Belajar*. Jakarta : Rineka Cipta.
- Arikunto, Suharsimi.(2005). *Prosedur Penelitian Suatu Pendekatan Praktik*. Jakarta : Rineka Cipta.
- Depdikbud.(1996). *Petunjuk Peningkatan Mutu Pendidikan di Sekolah Dasar*. Jakarta: Depdikbud.
- Kartono, Kartini.(2008). *Pemimpin dan Kepemimpinan*. Jakarta: Raja Grafindo Persada.
- Mudjito.2001. *Pembinaan Minat Baca*. Jakarta: Universitas Terbuka.
- Muktiono, Joko D.(2003). *Aku Cinta Buku (Menumbuhkan minat baca pada anak)*. Jakarta : Elex Media Computindo.
- Priyatno.(2008).*Mandiri Belajar SPSS - Bagi Mahasiswa dan Umum*., Yogyakarta: MediaKom.
- Slameto.(2003). *Belajar dan Faktor-faktor yang Mempengaruhinya*. Jakarta: Rineka Cipta.
- Sugiyono.(2012).*Metode Penelitian Pendidikan*. Bandung: Alfabeta.