

Electronic Journal of the Use by ITS Users in Library

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Abstract: Electronic journal is a change from the printed journal which can be used as a source of scientific reference. Electronic journals are publishing scientific articles in a scientific journal, ISSN air by an institution via electronic media (paperless) and distributed to all users or can be accessed via an internet portal available. Utilization of electronic journals also be able to save time, cost, and energy. The main function of the journal remains the same, i.e. registering, deploying, check to fellow scientists (peer review) and preserve knowledge. This study aims to determine the use of electronic journals by users in libraries ITS. This research approach is descriptive and quantitative research methods, this study also used a questionnaire as a tool used in data collection. The results showed that nearly all students of ITS has been utilizing electronic journals subscribed ITS library. Journal Ecteronic in ITS can meet the information needs as well as supporting lectures for students. But there are several obstacles in the use of electronic journals, such as electronic journals difficult to use, some students still do not know how to use and access the electronic journal and there are also constraints in the foreign language electronic journal that can make students discouraged to take advantage of electronic journals as reference material.

1 INTRODUCTION

Along with the times, the development of information technology today has developed very rapidly (Suhariono *et al.*, 2022). And now the presence of information technology has been very easy for users to their information needs in the library (Romadhona *et al.*, 2022). On campus libraries in general have used electronic-based facilities to meet the needs of its users. Based on Law No. 43 of 2007 Article 24, Paragraph 3, university libraries are expected to develop information and communication technology-based services to support the implementation of research activities (Subagyono, Chumaida and Romadhona, 2022).

In the Law on libraries from article 1, paragraph 2, a library is a collection of all information in the form of paper, print, and / or works recorded in various media that have educational values, are collected, processed, and managed. The library presents a diverse collection, both print and non-print (digital) (Sunyowati *et al.*, 2022). The development of digital technology has caused the growth of types of resources to increase very rapidly. Digital collection users can access the

library's online collection or subscribe through electronic devices that are connected to the internet (Romadhona *et al.*, 2022). Journal as one of the library collections is very important to use because it presents problems, theories or the latest findings about specific problems in the field and in scientific journals including the latest data and / or re-interpretation of previous studies that can be used as reference material by users (Zed, 2008). Print journals are now becoming obsolete and turning to electronic journals, (Hasan, 2013), electronic journals are changes from print journals that can be used as sources of scientific references. Until the early 1990s, scientific journals scored the focus of scientific activities to become the main collections of university libraries (Azwar and Amalia, 2017)).

Electronic journals have many advantages over print journals (Romadhona, Subagyono and Agustin, 2022). Because electronic journals often go up before print journals. The use of electronic journals can also save time, money, and energy. Students can take advantage of electronic journals from anywhere and at any time. Librarians also do not need indexes for journals, because the electronic journal system already provides indexing facilities (Azwar and Amalia, 2017)). The main function of the journal

remains the same, namely registering, disseminating, examining fellow scientists (peer review) and preserving knowledge (Romadhona, 2020). The presence of electronic journals is expected to support the research and learning process of higher education academics as a reference source that can be accessed easily and quickly.

The ITS Library was established to support the implementation of Tri Dharma College. In carrying out these functions, the ITS library collects, processes, and documents scientific papers such as theses, theses, and dissertations of ITS graduates. managed information in the form of printed and electronic library materials. The library has electronic ITS journals available, including American Society of Civil Engineers (ASCE), American Society of Mechanical Engineers (ASME), Marine Technology, Springer Link, Emerald insight, Cengage Learning (GALE), IEEE Xplore, EBSCO, ProQuest, ScienceDirect, Nature and much more. With an electronic journal, this helps the academic community to support the learning process as well as references for writing or scientific research.

Therefore, the authors conducted research to ensure the use of electronic journals that are subscribed to by the ITS library, and to find out what are the obstacles faced by users in utilizing these electronic journals.

2 LITERATURE REVIEW

2.1 Digital Collections

Collection of digital information is a form of non-print collections. This collection has several advantages compared to the printed collection, among others, the user faster and easier to obtain information. Ease of obtaining scientific information is increasing as the number of public and private agencies that organizes digital library. The biggest benefit of digital information is unrestricted access to scientific articles.

According to Law No. 43 Year 2007 Article 24, Paragraph 3, the college library is expected to develop services based on information and communication technologies to support the implementation of research activities. Due to the availability of electronic-based library collection is required by users in accessing information, especially for the smooth process of learning. Journal as one of the library's collection is very important to use because it presents the issues,

theories or the latest findings on specific problems in the field and in the journal Scientific can be found the latest data and / or reinterpretation of previous studies that can be used as reference materials by the user (Zed, 2008).

2.2 Journals

Journal is one of the library's collections is most needed by users to find information about the latest scientific discoveries (current). According to Anwar (2013) of the journal is another name for periodicals, newspapers or a stylized inscription records the events - events from time to time in order (chronological). The conclusion of the journal is a publication of a scientific nature are published regularly both print and electronic form which contains findings of a recent work in the study of science (Anwar, 2013).

2.2.1 Type - Type Journals

A. Printed journals

Printed journal is a journal published in book form. Journal of this type are usually issued by the public or professional associations, universities and other learning institutes, and commercial publishers. Journal printed normally can only be read in the library so that utilization is still not maximized by users. In addition, the development of the information in the printed journal is also slow, in the printed journal storage also takes place more because they have grouped one by one (Djamarin, 2015)

B. Electronic Journals

Electronic journal is a journal that is available through electronic media or web that has been formatted so easy for the user. According to the AACR (Anglo American Cataloguing Rule), the electronic journal is a publication in the media published a row that relate numeric or chronological order, accessible via the web, features are like journals, magazines and ISSN (International Standard Serial Number) (Sari, 2014).

2.3 Utilization of Electronic Journal

According to the Indonesian dictionary it is stated that "utilization means the process of the road, and the act of utilizing something for its own sake". The use of electronic journals is the activity or activities of users in using journals in terms of finding the information needed.

In terms of access to electronic journals are divided into two, namely: open access and closed access. Electronic journals can be accessed free of charge and can be downloaded and printed with free open access journals, while electronic journals cannot be accessed when not subscribed to and use a password for closed access journal access.

Electronic journals that can be accessed with open access are journals that contain resources that allow users to access scientific works for free and there is a username or password that accesses them. Closed access online journals are journals that are subscribed to by an agency or agency and in accessing them a username or password is required to access the journal (Azwar and Amalia, 2017).

2.4 Utilization of Electronic Journals Constraints

In the use of electronic journals themselves are still considered to be less effective after libraries have difficulty and spend a large budget, it turns out that many electronic journals are not utilized by users. Many factors affect the use of electronic journals that are not optimal for its users. One of the factors that influence the use of electronic journals is computer amenities to access electronic journals in the library are inadequate, internet facilities are less supportive / slow connection, electronic journals are difficult to use, do not know how to use / access journals and electronic topics No results found. Another factor that has always been a problem in the use of electronic journals is the problem of language differences (Lesviani, 2018).

2.5 Intended Use Electronic Journal

In general, electronic journals used by users with different purposes, one of them as a reference source, supporting research material or case studies, and is also used as a fulfilment of the tasks normally performed by the students. Electronic journals can also be used as access to the college library to improve services to the digital collection to users

3 RESEARCH METHOD

This research is descriptive and quantitative approach to research methods. According to Moleong (2004) quantitative research is the scientific method because it has met the rules of scientific principles. While understanding the descriptive method of research conducted with the

sole purpose of investigating or knowing the circumstances, conditions, or things - other things. The study was conducted in the Library ITS (Institute of Technology November). The study population is the electronic journal library of ITS. The sample in this study are students who've accessing/utilizing electronic journals. Data collected through interviews and questionnaires. Objects that are to be studied in this research is the use of electronic journals in the Library ITS.

4 RESULTS AND DISCUSSION

This study aims to determine the use of electronic journals by users in the ITS library. This research has the results that show the students' knowledge about the existence of electronic journals which shows the dominant is the students' knowledge about the existence of electronic journals through libraries. We can conclude that the role of libraries is very important in disseminating their electronic journals and how to use them, so that electronic journals can be accessed by many parties. The study of the frequency of use of electronic journals can be said that the frequency of online journal usage is one of the factors to determine the extent of online journal use. The results of the data obtained with respect to the average - the average search time of journals in which students, the average time - the search for journals for 1-2 hours is more dominant.

To measure search results to electronic journals, research shows that downloads are an act of dominant search results. Most students use personal laptops to access electronic journals even though the ITS library already provides a computer that can be used to access electronic journals. ITS students are also more likely to download electronic journal search results compared to printing / printing.

These results indicate the main purpose of users using e-journals is for study purposes and more dominant tasks and then followed for research purposes. This shows that the use of electronic journals is very important for students to make it easier to find reference material and information to facilitate assignments or research conducted by students. In addition, the results of this study are a complete collection of journals provided by the library to meet the needs that are met or complete information which has the largest percentage of 86%. There is also the result of this analysis, the main obstacle that is felt when accessing e-journals is the computer facilities to access electronic journals in the ITS library are inadequate and lack

internet support / slow connections which have the largest percentage, which is 57%.

The results of this study on understanding in understanding the information contained in E-journals using foreign languages ie students rarely / sometimes feel difficulties while understanding information contained in e-journals that use foreign languages. And having foreign language barriers often makes students reluctant to use electronic journals as a source of information.

The results of this study regarding e-journals are often used in meeting the information needs of 'ScienceDirect' which has the largest percentage up to 56%. Topic/subject that is often used to access e-journals is technique, which has the largest percentage of 52%. Because it is not in accordance with the point of this research object, namely in the ITS library, which has almost all engineering majors, besides that there are also e-journals subscribed to the ITS library that are often used by students such as SpringerLink, ProQuest, ASCE, EBSCO, and others.

5 CONCLUSIONS

Based on the results of research and discussion, then several conclusions that most students know of the existence of electronic journals ITS derived from the ITS library and from the information in the library. They access the electronic journals subscribed by the ITS library to search for information as a source of study and reference purposes in doing the coursework, thesis, and thesis. In addition to access the electronic journals in the library environment students are also often access electronic journals in the reading room and other faculty access electronic journals at home and at boarding facilities or elsewhere contained Wi-Fi.

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