

Implementation of the Inlistile Application Information System in Library Services at SMP Negeri 9 Probolinggo City

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Abstract

This article aims to explain how the inlistile information system was implemented for students at SMP Negeri 9 Probolinggo City. This Inlistile application has been implemented by SMP Negeri 9 Probolinggo City library to be used to improve service quality. Changes in data management were influenced by the implementation of the inlistile application information system. This study aimed to determine the application of new innovations in the school library of SMPN 9 Probolinggo City. This study used a descriptive qualitative method with data collection techniques through in-depth interviews. The researcher interviewed with 5 library employees at SMPN 9 Probolinggo City, 6 students who were members of the library. The application of information systems in the SMPN 9 Probolinggo City library includes: 1) increasing the convenience of professional services in a library and facilitating the service system; 2) provide friendly service attitudes and behaviors for students that aimed to create an environmentally friendly environment; 3) increased students' accessibility to get fast service; 4) provide services with an easy and reliable system. Encouraged by this application, students were expected to be able to make good use of this information technology system in order to realize a good service system in the school library.

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1. INTRODUCTION

The library is used as a facility to support the academic quality of students. The school library usually has a collection of thousands of books. The books provided by the school library consist of subject books, reference books, religious books, and so on. The very rapid development of information technology has influenced various areas of life and professions, this has led to changes in access to agencies and companies, and also had to change the way they work. Proven to be able to accelerate performance, speed performance and increase incoming profits or turnover, both financially and network.

The use of information technology in libraries also aims to improve service quality. Like the librarian at SMP Negeri 9 Kota Probolinggo, currently they have taken advantage of technological advances in searching for information. Therefore, the library manager creates a new innovation by implementing the INLIStile application information system which can provide information that can be accessed electronically and various other media.

Information technology in the library has always been a benchmark for a library. This is certainly undeniable given the demands that are already familiar with all forms of information technology (IT). Libraries are required to provide information technology-based services quickly and precisely. As referred to in Law Number 43 of 2007 concerning library development in paragraph (1) it is carried out based on characteristics, functions and objectives, and is carried out according to the needs of users and the community by utilizing information and communication technology (law number 43: 2007, p. 12).

A library information system is a system within a public service organization that meets the requirements for ease of processing transactions, returning and renewing books, as well as creating daily, monthly or annual reports to support operations. It also provides certain external

parties with the reports they need. In other words, a library information system is a management procedure supported by computer technology, which has software installed to assist data processing and information technology-based library services.

The library automation system is a system within the library by utilizing information technology in which every activity in the library is integrated, so that the library automation system is often referred to as an integrated system or integrated library system. (Potoboda, Norlice Vera 2016). By implementing an automated system in the library, librarians can benefit from easier and faster processing of library materials as well as more accurate and convenient user search results. In essence, the application of an automation system can increase the effectiveness and efficiency of the library as a whole.

The implementation of the information system can be seen by the library's policy on using library automation applications such as INLISLite. According to (Judge, n.d.) "INLISLite is the name of a software application program that has a function as a means of managing library data based on information and communication technology or in other words INLISLite is a library automation application program."

This INLISLite application has been implemented by SMP Negeri 9 Probolinggo City in its library. The application of the INLISLite application is utilized to improve the quality of library services supported by information and communication technology assistance, as well as utilizing the INLISLite library information system which can be integrated in the procurement of library materials, cataloging, and circulation of library materials, digital collection services, member registration, and library development statistics. , user surveys, and preparation of reports.

2. RESEARCH METHODS

The type of research used in this study was a qualitative descriptive research method which will describe the results of findings in the field by reviewing and then describing the facts and explaining the condition of the research object, and in this study the library automation system based INLISLite as a research object while the subject was in the appropriate library librarian research and tries to analyze it based on the data obtained.

According to (Abdussamad 2021) Qualitative research methods are used to research on natural object conditions, where the researcher was the key instrument, data collection technique. This study used interview techniques as the main method of data collection, and observation and documentation as an additional. The research was conducted at SMPN 9 Probolinggo City, which is located on Jalan Cokroaminoto, where the research was conducted, namely the library with interviews with students as well as school employees and teachers. The research sample technique used was purposive sampling, namely taking data sources with certain considerations, by looking for people who provide related information and are considered most know what is being studied (Nasrudin et al. 2018). The samples participating in this study were all students who visited the library, which was taken as many as 10 students.

Data obtained from interviews with each informant were analyzed using data analysis (thematic analysis). Researchers took steps described phenomena that exist, both man-made phenomena and natural phenomena. This phenomenon took the form of activity, service activity. For create a good work system (Laksmana and Setyawan 2021). To guarantee the validity of the data, researchers used data triangulation, the interviewees came from students and library staff. Researchers also used triangulation techniques where data was collected through interviews, observation and document collection. The researcher also maintains the confidentiality of the informant as the interviewee and the identity of the informant was kept secret by being given informed consent to agree or not agree to participate in giving opinions when being interviewed and the informant can limit an answer that included involvement at any time and without asking a reason.

3. RESEARCH RESULTS AND DISCUSSION

Probolinggo City Junior High School (SMPN 9) has a library through the concept they apply, by looking at the current development situation which made changes by following the flow of the times, such as using technology as innovation. The library implemented the INLISTile application information system and was proven to be able to make changes as the best management with positive information. Therefore, the Probolinggo City SMPN 9 school library provided innovation as fast and accurate information.

The results of the research showed that the application of services in the INLISTile application for students of SMPN 9 Probolinggo City included: 1) increasing the comfort of professional services in a library and simplifying the service system; 2) provided friendly service attitudes and behaviors for students that aim to create an environmentally friendly environment; 3) increasing student accessibility to get fast service; 4) provide services with an easy and reliable system.

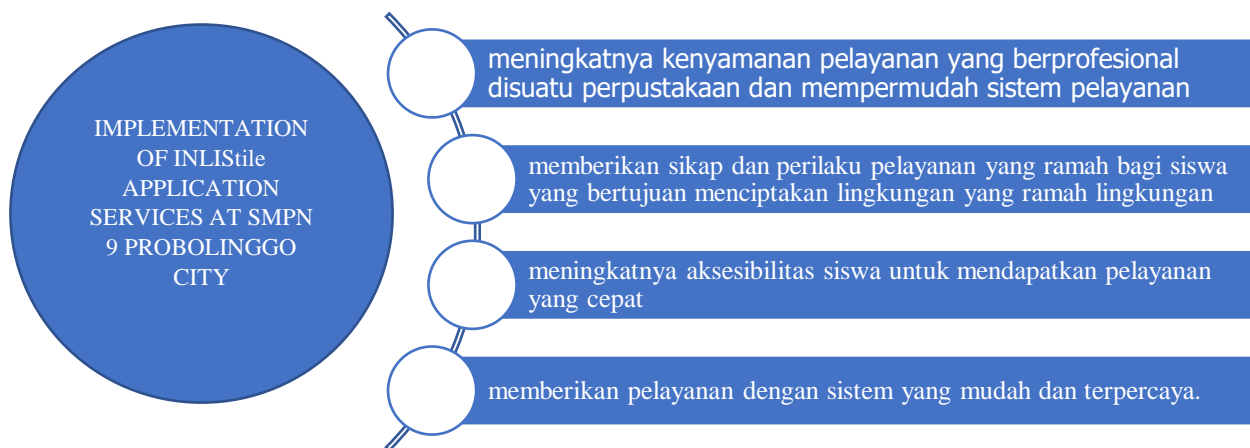


Figure 1: Researcher Findings

- Increasing the convenience of professional services in a library and simplifying the service system**

Environmental conditions affect comfort. Service is the fulfillment of needs through the activities of other people directly (Ikrawati 2010). The concept of service quality in the context of libraries can be interpreted as the difference between perceptions and expectations of library services. Service quality is assessed based on the user's point of view regarding good or bad, acceptable or unacceptable. If the service received or felt (Perceived Service) is in accordance with what was expected (Expected Service), then the service quality was perceived as good and satisfactory (Dalimunthe and Sartika 2016). Thus, members of the librarian at SMPN9 Probolinggo City feel increased comfort and safety in the library by realizing a new innovation. So that they feel more comfortable in managing data in the library.

RH, a member of the library as a class X student at SMPN 9 Kota Probolinggo, explained that the environmental conditions before the application of the old service system application information system were implemented, especially when registering as new members of the librarian during a visit.

"Yes, when I wanted to register to become a member of the library, the process took a very long time, I haven't gotten a membership card for 3 days, so when I want to enter the library and want to borrow books, I still use my student card, whereas I often forget to bring my card, after this, here it is. New innovations are easy in the service system, for some reason it's becoming more and more sophisticated." (RH, class X student of SMPN9, 2023)

SW, who works as a library administrator, stated that before the implementation of the INLISTile information system, he felt uncomfortable and uneasy, not just because he was tired of working because of difficulties in processing the books in the library.

"I can see an increase in the number of library members systematically in this application because the registration process is also easy online so that the recapitulation of the number of library members is recorded accurately and is also displayed graphically either a graph of the number of library members or a graph of the number of library visitors." (SW, SMPN 9, 2023 employees)

To realize a good service, convenience was needed for both the implementer and the service provider. A friendly environment is a form of creating a good service system. Provision of quality information, namely appropriate information, on time to make this happen according to (Wardani, Fikri, and Maulana 2023). Using information technology that helps process information to produce quality information. Thus information technology is used by libraries that are increasingly advanced in the times which play a role in increasing the speed of librarian and library workers in library services.

- **Providing friendly service attitudes and behaviors for students that aim to create an environmentally friendly environment**

Implementing a good service system using the INLISTile information system is the realization of environmentally friendly attitudes and services. It is necessary to accelerate and strengthen the provision of community services in public facilities for the implementation of community rights and obligations in public facilities and improve environmental quality with partnerships between parties. Therefore, it is necessary to collaborate to realize sustainable consumption and production patterns that can lead us towards better environmental quality (Machmud 2008). The Probolinggo City SMPN 9 school librarian wants to always create comfort for students when they want to visit the library, while students must have assertive behavior, which was very useful in interacting with library users in searching for information. The main key to assertive communication was to convey your feelings, thoughts or opinions. There was no force in the world that can prevent you from communicating. Assertive competence was an important competency that librarians must have (Husna 2018).

SC, who has been a librarian for a long time at SMPN 9 Kota Probolinggo School, said that there were already a lot of library members, but it has increased with the INLISTile information system.

"I feel that with the INLISTile application, the management of library materials has become more effective and efficient, making it easier to search for book data, for example, there are 15 books A in total, 7 of them came out because they were borrowed so that the remaining books in the library remained 8, all of them are systemized unlike when they were managed. Library materials are still manual." (SC, SMPN employee 9, 2023)

GT, a student who diligently comes to the library, admits that there were many benefits after the INLISTile system has become very much in the library, where previously looking for books manually can now be accessed quickly.

To improve the good service system, various efforts have been made to optimally empower library users to run the service system automatically, manage periodic publications and manage members. (Hariyanto and Mukhsin 2008). Along with the increasing progress of technology and information that is fast and precise for librarians, besides that there are difficulties in installing applications, not being thorough in data entry, the lengthy process of redesigning library membership cards, lack of facilities, lack of funding, lack of training for librarians and lack of staff library (Wulandari 2019).

- **Increased benefits to get fast service**

The benefit of the INLISTile information system is to provide library convenience in systemically managing library materials through applications so that they can provide library services well to service users or users, this is done at the SMPN 9 Probolinggo City library in providing fast service.

Information is everything that has been received and processed into a form that is more useful and much needed, while data is a collection of information that has been processed into

data that defines an event. The development of information technology is the engine of industrial society moving slowly towards an information society and all aspects of life are related to the availability of information (Pandowo et al. 2020).

WS, a student admitted that the service was very sophisticated and make it easy when visiting the library and the benefits of this innovation are ease of faster access.

"Ya I am very happy and proud of the school library that has implemented the INLISTile application system, yes, with this sophisticated information system it is very easy to process and obtain information which includes school assignments at any time. And what is the service system that has increased because of the ease of accessing book data in the library?" (WS, student of class XI SMPN 9, 2023)

GT as an officer admits access to registering as a member at library it becomes easy without long services or processes" (class X student SMPN9, 2023). Researchers see for themselves that there are many students who register via their respective cellphones without having to come to the library which can be accessed at any time.

The use of information technology in libraries in particular can have a big impact on its implementation. Circulation activities such as loans, returns and fines were previously carried out in a manner manually and seem slow can be done quickly and on time. This automatically has an impact on improving services in the library (Rezki 2019). In information technology library services as a support for these services, which were initially carried out manually and took a lot of time, they have turned digital

- **Providing services with an easy and reliable system.**

Good and easily accessible service is a benchmark in every library so that students' interest in reading can grow. This is the case at SMPN 9 Probolinggo City, which uses a service system used INLISTile application to make it easier for employees to record every student who visits. The INLISTile application system has a very good impact on librarians, library staff and users because it is easy to manage, access and obtain the information sources needed (Zulhalim, Sulistyanto, and Sianipar 2019).

Public service is an activity that provides basic needs to citizens and residents for goods, services and/or administrative services that have been provided by public service providers, which are related to the public interest. Organizer Public services are institutions and public service officers, such as regional governments or regionally owned enterprises that provide public services. Recipients of public services are individuals or groups of people and even legal entities who have rights and obligations to public services (Apriyansyah, Maullidina, and Purnomo 2018).

MS, who has worked as a school library keeper, said that ease of access using the inlistile system greatly improves system performance in the library

"In the past, when I wanted to process data, I always used manual data, even many students borrowed books so that those who were registering became overwhelmed. In the end, most of the books were not recorded, maybe in the end the books were borrowed and never returned, and after this new service innovation, data management became "It's easy, even the demand for additional books is increasing, somehow students' interest in reading is increasing and schools are supporting the expansion of knowledge." (MS, SMPN 9 employee, 2023)

DT, an officer who manages books, said that many students asked about the books they were looking for use. The INLISTile system makes it easy for officers to access books easily

"So initially it was difficult to manage every number of books, and we also distinguished each class of students who visited, such as class 1a, class 2a and so on, the data for each student was very large, we even scheduled each class to visit per day and there were also students who wanted searching for books of interest with this, book searches can easily use the INLISTile system." (DT, SMPN9 employee, 2023)

DS, a student said that the effect of using an application system INLISlite. This has an impact on ease of access to data, which was previously very difficult to find when searching for the desired book

"It has an effect on finding books that are hard to find, in fact I am very happy with the fast service, such as the ease of finding books that I am interested in, so yes I come to the library almost every day even though the visit list is different every day. Not only that, the increase in books in the library also attracts my interest in coming." (DS, class XI student at SMPN 9, 2023)

Significant changes occur not only in the ease of managing data but the processed data becomes safe and can be accessed at any time if needed accessing data about the library is very accurate in terms of INLISlite features that are easy to use, fast and precise in doing transaction data from one computer to another, in this case the data is entered into the processing department and then sent to the circulation service department (Rezki 2019). In addition, there is an impact from the use of this information technology system, which can be constrained by a lack of signal and the presence of students who do not know how to use it.

4. CONCLUSION

Based on the discussion above, it can be concluded that based on the results of the research, it showed that the implementation of the INLISlite application information system was supported by the 4 most effective indicators, that was, after the INLISlite information system was implemented, it can store and compile large amounts of data and produce quality management and produce timely information useful to increase the speed of work. The role of information technology in library services as a service in the SMPN4 Probolinggo City library, which was initially done manually along with advances in technology, according to Amin, information technology has a system to find the required information that can be accessed automatically. (Anindya and Wicaksono 2021).

In the digital era, along with today's developments, libraries need supporting software which expected to make it easier for users to find and obtain information quickly and precisely. Thus, library automation was a way of managing libraries by utilizing a service media to make it more effective and efficient for all users library.

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6. BIBLIOGRAPHY

- Abdussamad. 2021. Metode Penelitian Kuliitatif.
- Anindya, Ema Fatmawati, and Moch. Fikriansyah Wicaksono. 2021. "Analisis Pemanfaatan INLISLite (Integrated Library System) Di Dinas Kearsipan Dan Perpustakaan Kabupaten Trenggalek." *Shaut Al-Maktabah : Jurnal Perpustakaan, Arsip Dan Dokumentasi* 13 (1): 67–84. <https://doi.org/10.37108/shaut.v13i1.441>.
- Apriyansyah, Isnaini Maullidina, and Eko Priyo Purnomo. 2018. "Efektivitas Sistem Informasi Desa (SID) Dalam Pelayanan Publik Di Desa Dlingo, Kecamatan Dlingo, Kabupaten Bantul." *Jurnal Analisis Kebijakan & Pelayanan Publik* 4 (1): 10–24.
- Dalimunthe, Nurmaini, and Dewi Sartika. 2016. "Analisis Kualitas Layanan Sistem Informasi Inlislite Menggunakan Metode LibQual." *Jurnal Sains, Teknologi Dan Industri* 13 (2): 211–17.
- Hakim, Aristianto. n.d. "Panduan Praktis Pembuatan Survey Elektronik Pada Program Aplikasi INLISLite Versi 3," 1–22.
- Hariyanto, Asep, and Dadan Mukhsin. 2008. "Identifikasi Sektor Potensial Penggerak Ekonomi Kecamatan Kurang Berkembang Di Kab. Tangerang." *Mimbar* 24 (1): 59–67.

- Husna, Jazimatul. 2018. "Pengaruh Perilaku Asertif Pustakawan Dalam." *Anuva* 2 (4): 437–49. <http://ejournal.undip.ac.id/index.php/anuva%0APENGARUH>.
- Ikrawati. 2010. "Hubungan Antara Faktor Lingkungan Dan Pelayanan Kesehatan Dengan Perilaku Antenatal Care Di Puskesmas Kassi-Kassi Makasar." Fakultas Kesehatan UIN Alauddin Makassar, 1–82.
- Laksmiana, Dimas Satria, and Arief Setyawan. 2021. "Pemberdayaan Masyarakat Melalui Media Sosial Sebagai Media Promosi UMKM Era New Normal Di Desa Gunungsari, Kecamatan Kasreman, Kabupaten Ngawi." *Buletin Pemberdayaan Masyarakat Dan Desa* 1 (1): 20–26. <https://doi.org/10.21107/bpmd.v1i1.12016>.
- Machmud, Rizanda. 2008. "Manajemen Mutu Pelayanan Kesehatan." *Jurnal Kesehatan Masyarakat Andalas* 2 (2): 186–90. <https://doi.org/10.24893/jkma.v2i2.31>.
- Nasrudin, N., Ika Agustina, A. Akrim, Ansari Saleh Ahmar, and Robbi Rahim. 2018. "Multimedia Educational Game Approach for Psychological Conditional." *International Journal of Engineering and Technology(UAE)* 7 (2): 78–81.
- Pandowo, Hedi, Dewi Kirowati, Jurusan Komputer, Akuntansi Politeknik, and Negeri Madiun. 2020. "Berbasis Web Dengan Menggunakan Framework Laravel Pada P-Issn : 2089-676X" 9 (1): 26–30.
- Potoboda, Norlice Vera, Dkk. 2016. "Membangun Sistem Otomasi Perpustakaan Sebagai Upaya Mempertahankan Eksistensi Perpustakaa (Studi Pada Badan Perpustakaan Arsip Dan Dokumentasi Provinsi Sulawesi Utara)." *Acta Diurna* V (5): 2–10.
- Rezki. 2019. "Penerapan INLISLite Dalam Meningkatkan Layanan Perpustakaan Pada Dinas Perpustakaan Dan Kearsipan Daerah Kabupaten Sinjai." *Repositori UIN Alauddin*, 22–24.
- Wardani, Ika, Miftahyl Fikri, and Muhammad Farhan Maulana. 2023. "Dawatuna : Journal of Communication and Islamic Broadcasting Model Kerjasama Antar Perpustakaan Umum Dalam Negeri Dawatuna : Journal of Communication and Islamic Broadcasting" 3: 364–72. <https://doi.org/10.47476/dawatuna.v3i2.2488>.
- Wulandari, Amas. 2019. "Penerapan Otomasi Perpustakaan Berbasis INLISLite V.3.1 Bagi Pustakawan Di Perpustakaan Al-Washliyah Banda Aceh." *Universitas Islam Negeri Ar-Raniry*.
- Zulhalim, Agus Sulistyanto, and Anton Zulkarnain Sianipar. 2019. "Implementasi Aplikasi Sistem Otomasi Perpustakaan Terintegrasi Menggunakan Inlislite Versi 3 Pada Perpustakaan Stmik Jayakarta." *JISAMAR (Journal of Information System, Applied, Management, Accounting and Research* 3(4) (4): 1–9. <http://journal.stmikjayakarta.ac.id/index.php/jisamar>.