

Implementation of the Use of the Hospital Management Information System (SIMRS) at the PKU Muhammadiyah Clinic, North Lombok

Andi Pranata

Akademi Bisnis Lombok

Email: andi pranataakbil@gmail.com

Abstract:

The advancement and development of information technology is currently growing so rapidly in all fields including in the health sector. Especially in hospitals. Hospital information systems have an important role in clinical and administrative services. One of the developments in information systems in hospitals is electronic medical records which have become an integral part of the online-based Hospital Management Information System (SIMRS) application which is computerized in an integrated system stored in a central database.

Keywords: *Management Information Systems, Medical Records,*

INTRODUCTION

An information system is a system that combines human activity and the use of technology, whose function is to collect, store, manage and disseminate information that is relevant to an organization.

In the digital era, the role of information systems is certainly very much needed, especially in the health sector. To support health services, such as hospitals, modern information systems are used.

With sophisticated technology, it can certainly support the performance of health services at one of the PKU Muhammadiyah Clinics in North Lombok.

Health services are efforts to maintain and improve health, prevent and cure disease, and restore the health of individuals, families, groups and communities. The legal basis for providing health services is regulated in Law no. 36 of 2009 and articles 53 and 54 concerning the Health Law. Because of the importance of health for society, it is appropriate for the government to play a role in providing maximum and best health services to create a comfortable life for society.

METHOD

From the results of the research process, this article was carried out using qualitative and quantitative methods with a study approach *literature* aiming to get

variable research. In this research, the criteria referred to are research sources in clinics or hospitals. The results of this research require an overview of the hospital's electronic information system.

Qualitative research methods, and several publication sources for the last 5 years from 2018 to 2023, both using studies of literature that speak English and Indonesian. And the library source is research work in the Clinical Health department. This research is not limited by any process.

RESULTS AND DISCUSSION

3.1. Research Data Analyst

The data collection method for some information uses the interview method. Researchers can visit the SIMRS installation room and provide an explanation of the objectives of the research. Interview activities can be adjusted to the time given by the head of the SIMRS installation room.

3.2. SIMRS quality

Based on the results obtained from interviews and researchers, it can be concluded that the Hospital Management Information System (SIMRS) at the PKU Muhammadiyah Clinic in North Lombok is running, although not optimally. It can be seen from several factors including HR

factors, organizational factors, and technological factors.

3.2.1. HR Factors (Human Resources).

The HR or human factor is a component in which humans are responsible for the running of the SIMRS (Hospital Management Information System) process, such as leaders and all staff who are connected to computer systems that are related to each other. Humans are one of the first effects and functions in using SIMRS, humans are needed in managing SIMRS at the PKU Muhammadiyah Clinic, North Lombok. Users or humans are sometimes an obstacle in running SIMRS because humans do the work, users process it, humans implement and even maintain the SIMRS application. PKU Muhammadiyah Clinic North Lombok has only been using it for the last 3 months, so there are several obstacles.

3.2.2. Organizational Factors

Organizational factors are one of the supporting factors in running the Hospital Management Information System (SIMRS) application. Researchers can conclude that there are several obstacles in implementing SIMRS at the PKU Muhammadiyah Clinic in North Lombok, the use of the Hospital Management Information System (SIMRS) at the PKU Muhammadiyah Clinic in North Lombok. It has been running for 3 months starting in May 2024 and has been running well even though there are several

obstacles. One of them is that there are no computers in some rooms, the staff has just started working so the management system for using SIMRS is not yet used to it.

3.2.3. Technological Factors.

The use of information technology at the PKU Muhammadiyah Clinic in North Lombok is now ready. The use of the Hospital Management Information System (SIMRS) has begun starting from the registration stage for both general services and BPJS services. For general services, drug prescription sheets are no longer used and all drug names are entered in SIMRS. And BPJS services still use patient medication/tutoring sheets because they are input again using P-Care E-claim. The use of the Hospital Management Information System (SIMRS) at the PKU Muhammadiyah Clinic in North Lombok for storing medical records electronically is good because searching for patient medical records is better and if the same number is entered then the application is immediately rejected. The SIMRS network system at the PKU Muhammadiyah Clinic is good and currently there are no problems. However, according to researchers, there are several obstacles so that it cannot be said that the use of the implementation of the Hospital Management Information System (SIMRS) at the PKU Muhammadiyah

Clinic in North Lombok is the lack of personal computers (PCs) in several rooms, including the Dental & Oral Polyclinic, KIA Polyclinic, and Maternity Polyclinic.

CONCLUSION

Based on the results of research regarding the implementation of the use of the Hospital Management Information System (SIMRS) at the PKU Muhammadiyah Clinic in North Lombok, several conclusions can be obtained as follows:

1. The use of the SIMRS application at the PKU Muhammadiyah North Lombok Clinic is currently not optimal because there is a mismatch in the types of activities between the hospital and clinic. With the problem that there are no computers in several rooms, this hampers the running of SIMRS.
2. The quality of SIMRS, when measured in terms of human resources, is currently adequate, but there is no provision of routine training to improve HR competency. The lack of discipline of officers or staff for each division means that the use of the SIMRS application is not optimal.

SUGGESTION

Suggestions that researchers can convey to be able to run the Hospital Management Information System (SIMRS) application at the PKU Muhammadiyah Clinic in North Lombok are as follows:

1. PC (Personal computer) is one of the important technological facilities in running SIMRS, therefore researchers suggest equipping several rooms that do not yet exist. And for the types of service activities in hospitals and clinics, of course there

are differences and how these can be regulated by the programmer.

2. Not all staff understand technology and there are even some staff who are not used to using the SIMRS application, so the researchers provide two options, the first is that training needs to be held to increase staff competency, and the second option is that, if possible, each room can be used by staff who understand information technology.

ACKNOWLEDGEMENT

I would like to thank the Director of the PKU Muhammadiyah North Lombok Clinic who has given me the opportunity to carry out this research, thank the head of the room for the server holder who has provided information and knowledge about the SIMRS application at the PKU Muhammadiyah North Lombok Clinic. Thank you to all the PKU Muhammadiyah North Lombok Clinic staff who provided input and suggestions in preparing this research entitled Implementation of the Utilization of Hospital Management Information Systems (SIMRS) at the PKU Muhammadiyah North Lombok Clinic.

BIBLIOGRAPHY (12pt)

- Ria Hutami, Dety Mulyanti. 2023, *Literature Riview Tentang Analisa Implementasi Sistem Informasi Manajemen Rumah Sakit (SIMRS). Klinik*. Vol 2. No. 2.
- Peraturan Presiden Republik Indonesia Nomor 72 Tahun 2012 Tentang Sistem Kesehatan Nasional. Indonesia,
- Nadifa Maulani Fadilla, winy Setyonugroho. 2021. Sistem Informasi Manajemen Rumah Sakit Dalam meningkatkan Efisiensi: Mini *Literature Review*. Jurnal Teknik Informatika dan Sistem Informasi. Vol. 8. N0. 1.

- Irgi Biantara, dety Mulyanti. 2023. Strategi manajemen Informasi Layanan Kesehatan DI Rumah Sakit; *Systematic Literature Review*. Jurnal Manajemen dan Bisnis (MANABIS). Vol. 2 No.1
- Ruth Molly, Meyrolen Itaar. 2021. Analisis Pemanfaatan Sistem Informasi Manajemen Rumah Sakit (SIMRS) Pada RSUD DOK II Jayapura. *Journal of Software Engineering Ampera*. Vol. 2. No. 2.
- Radjab, E. and Mandasari, N.F.(2022). Analisis Pemanfaatan Sistem Informasi Rumah Sakit (SIMRS) Pada RS. IBNUSINA YW-UMI Makasar. *Paradigma: Jurnal Masalah Sosial, Politik, dan Kebijakan*,
- Sophiana Enjelin Anathasia, Dety Mulyanti. 2023. Faktor-Faktor Yang Mempengaruhi Peningkatan Kualitas Pelayanan Kesehatan Di Rumah Sakit: Tinjauan Teoritis. Klinik. Vol. 2. No. 2.