



## UTILIZATION OF INFORMATION SYSTEMS AT JUANDA HEALTH CENTER

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### ABSTRACT / ABSTRAK

Despite the considerable attention which the growth of information systems technology in Juanda Health Center has received over the past two decades, research focusing on the development, confirmation, or extension of theories which explain the use of a wide range of technological innovations has had a mixed record of success. In particular, two issues stand out. SIMPUSKESMAS and frequently ambiguous definitions of utilization have led to relatively little replication of findings in various public settings. Second, relatively little empirical research has been undertaken which explicitly incorporated and tested multiple alternative explanations of potential determinants of utilization, leading to continued fragmentation in the research literature. This analysis, using a national sample of state budgeting offices, draws on theoretical propositions offered over the past decade and more to operationalize utilization as the impact of technology on key organizational decision-making processes and assess the relative explanatory power offered by three alternative explanations for the successful use of information systems technology. The findings suggest that unique combinations of three types of factors—environmental, managerial-organizational, and technological—will explain and account for the successful utilization of technology in various settings.

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## 1. BACKGROUND

Puskesmas management if done manually will result in a long service process, especially during the process of finding the medical record number of patients who do not carry a treatment card (Fitriana et al., 2020). Therefore, in puskesmas management activities it is very important to use web-based services (Christanti and Pratiwi, 2016). One of the applications used in basic health services to the community in each puskesmas is using the e-Puskesmas application (Haryani & Satriadi, 2019). EPuskesmas is a manifestation of the implementation of a puskesmas management information system that is able to make a very large contribution in providing excellent service to patients (Dona et al., 2019). With e-Puskesmas, patient recording and data collection are carried out electronically. The Juanda e-Puskesmas application service also makes it easier for the health office to monitor. The demands of public services in terms of health are currently so great, and it is important to pay attention to, especially when it comes to health issues and a person's life. Especially services about the speed of treatment related to health actions or medical records. Service improvement is expected to provide certainty of service in several things as follows: a. Administrative Aspects. A medical record file has administrative value, because its content concerns actions based on authority and responsibility as medical personnel and nurses in achieving health service goals. b. Medical Aspects. These records are used as a basis for planning the treatment/treatment that should be given to the patient. c. Legal Aspects. It concerns the issue of guaranteeing legal certainty on the basis of justice, in the context of efforts to enforce the law and the provision of evidence to uphold justice. d. Financial Aspects. The contents of the Medical Record can be used as material to determine the cost of payment for services. Without proof of record of action or service, payments cannot be accounted for. e. Educational Aspects. Medical Record Files have value pendidikan, education, because the content concerns data / information about the chronology of medical services provided to patients. f. Documentation Aspects. The contents of the medical record become a source of memory that must be documented and used as material for accountability and reports on health facilities.

## 2. METHOD

The Location of Community Service for the Undergraduate Study Program in Health Administration was carried out at ITKES Wiyata Husada Samarinda. The activity was held for 3 days, namely on February 14-16, 2021. These activities are carried out in the form of socialization.

## 3. RESULT AND CONCLUSION

The results of this community service show that the utilization of information systems at Juanda health center. Based on the following table 1:

Table 1 Frequency Distribution Based on Presentation

Method	Frequency	Percentage
Utilization of information systems at Juanda Health Center'	I am understand utilization of information systems at Juanda Health Center'	100.0
	I am not understand utilization of information systems at Juanda Health Center'	0.0
Total		100.0

Source : Primary data, 2022

Based on table 1, it can be concluded that the presentation of percentages such as exposure in the form of *powerpoints* that are the most in community service is that participants understand information systems at Juanda Health Center, namely 35 respondents (100%) and those who do not understand information systems at Juanda Health Center as many as 0 respondents (0%).

The use of information systems at the Juanda Health Center is an important part of the company, both Juanda Health Centers, in establishing operational activities to achieve goals at the Puskesmas. The function of utilizing the information system at the Juanda Health Center aims to provide services so that the cooperation process towards achieving puskesmas planning from before. The description of the use of information systems at the Juanda Health Center is that health administrators are obliged to provide public good health services and are also obliged to facilitate the development of private health services. Thus the health administrator is in charge with the SIMPUSKESMAS application. Like the administrator, it is expected to be able to run the SIMPUSKESMAS application at the Juanda Health Center.

#### 4. SUMMARY AND ADVICE

Based on conclusions and suggestions related to "Utilization of information systems at Juanda Health Center" went well. On the indicator of the accuracy of the target of community service participants at ITKES Wiyata Husada Samarinda, in procedures for the implementation of information systems.

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**REFERENCE**

1. Dona, F., Susmiati, S., & Murni, D. (2019). Efisiensi Perangkat Pendukung dalam Pelaksanaan Sistem Informasi e-Puskesmas Kota Sungai Penuh. *Jurnal Ilmiah Universitas Batanghari Jambi*, 19(3).
2. Daryanto, Setyobudi, Ismayanto. 2014. *Tugas dan Fungsi Adminstrasi Kesehatan*, edisi 1. Yogyakarta: Gava Medika.
3. Fikri, R. L. (2019). Evaluasi Penerapan Sistem Informasi Manajemen Puskesmas (SIMPUS) Melalui Metode Pieces Layanan Kunjungan Rawat Jalan Puskesmas Bogor Utara Tahun 2018. *PROMOTOR*, 2(4).
4. Fitriani, Sri. 2014. *Pengaruh Kualitas Administrasi Kesehatan di Rawat Inap RSUD Dr. Moewardi*. Tesis, Universitas Muhammadiyah Surakarta, Surakarta.
5. Fatta, H. Al. (2007). *Analisis dan Perancangan Sistem Informasi*. ANDI. Harun, Cholik.,L.Isro'in, dan N. Sri. 2017. *Penyusunan Proposal dan Laporan Administrasi Kesehatan*. Ponorogo: Unmuh Ponorogo Press.
4. [Jambura health and sport journal.ung.ac.id](http://jambura.healthandsportjournal.ung.ac.id)
5. Muliansah, R., & Budihartanti, C. (2020). Analisa Pemanfaatan e-Puskesmas di Loker Pendaftaran pada Puskesmas Kecamatan Pademangan dengan Metode PIECES. *Journal of Computer Science and Engineering (JCSE)*.