

ABSTRACT

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THE REVIEW OF THE SECURITY LEVEL OF PATIENT MEDICAL INFORMATION ON THE IMPLEMENTATION OF OUTPATIENT ELECTRONIC MEDICAL RECORD (EMR) AT BLEGA HEALTH CENTER USING HOT-FIT METHOD

ABSTRACT

The implementation of Electronic Medical Records, which began in 2022 and was developed through the e-Puskesmas application in 2023, still faces data security issues, such as the use of the same username and password for all outpatient officers, which has the potential to leak patient information. This study aims to review the level of security of patient medical information on the implementation of outpatient EMR at Blega Health Center.

This study used a qualitative approach with data collection techniques through interviews, observation, and documentation of medical record officers involved in managing EMR.

The results showed that in the human aspect, officers had attended training, understood, and complied with patient data confidentiality rules, but there were still weaknesses such as the use of the same username and password. In the organization aspect, there was no written SOP related to data security and audits are only carried out every three months. In the technology aspect, the use of passwords was still simple without double authentication, and system updates are only carried out by vendors periodically. While in the benefit aspect, the implementation of e-Puskesmas provided ease of searching patient data, time efficiency, and improved service quality.

The provision of patient data security training at the Blega Health Center is a strategic step in supporting the implementation of electronic medical records and reflects awareness of personal data protection, which is reinforced by the existence of SOP as a reference for data observation at e-Puskesmas to maintain accountability and facilitate security evaluations. The implementation of e-Puskesmas itself has a positive impact on service efficiency, particularly outpatient registration, as it facilitates the storage and access of patient data quickly, accurately, and accountably.

Keywords: e-Puskesmas, HOT-FIT, Data Security