

ABSTRACT

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A REVIEW OF THE SECURITY AND CONFIDENTIALITY OF ELECTRONIC MEDICAL RECORD DATA AT THE BANYUANYAR HEALTH CENTER	
ABSTRACT <i>It is important to evaluate the data security system of Electronic Medical Records (EMR) at the Sampang banyuanyar health center. Problems found such as weak internet connection, unavailability of the autosave feature, the habit of officers not logging out when leaving the PC, the absence of periodic updates to usernames and passwords, and the absence of SOPs related to access rights and data security, indicate that the system is not optimal in protecting patient medical information. This condition has the potential to pose a risk of data loss, service disruption, and violation of medical data confidentiality. Therefore, a thorough evaluation of the security aspects of EMR is urgent to ensure the protection of patient data and the continuity of safe and reliable health services. The purpose of study is to identify the data security of electronic medical records at the Sampang banyuanyar health center.</i> <i>This research method used descriptive research with a qualitative approach. The subjects in this study were the chief medical record officer, doctors, nurses, information, IT officers. The object of this research was the security and confidentiality of electronic medical record data at the Sampang banyuanyar health center. Data collection using observation and interview methods.</i> <i>The results of this study were reviewed from the confidentiality component that each user had a different username and password. The integrity component had provided features for editing patient data. The authentication component had implemented an electronic signature. The availability component had not implemented a data backup feature so that data storage was done manually. The access control component had implemented a special SOP related to system user access rights. The non-repudation component had a history feature to display the history of patient data changes.</i> <i>The proper application of SOPs will support the smooth running of consistent and safe work processes. Thus, the integration of these two things has the potential to improve service efficiency and the overall reliability of the information system.</i>	
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