

ABSTRACT

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DESIGN OF AN ELECTRONIC MEDICAL RECORDS INFORMATION SYSTEM AT THE INDEPENDENT PRACTICE OF DR. INDAH YULIARINI, Sp, THT-KL

ABSTRACT

Advances in information technology are driving digital transformation in healthcare services, including medical record management. Dr. Indah Yuliarini, Sp. THT-KL's independent practice still used a manual recording system, which causes delays in service, data loss risks, and non-compliance with government standards, particularly KMK No. 1423 of 2022 and Permenkes No. 24 of 2022, which mandate the implementation of electronic medical records. Therefore, an electronic medical record information system was designed to address these issues.

This study used a Research and Development (R&D) approach with a prototype-based system development method. The research stages included preliminary studies, needs identification, system design (flowchart, DFD, ERD, UI), prototype development, and system testing using the black box method. Data collection was carried out through brainstorming, documentation, and literature studies.

The results of this design included a web-based information system that had several user access rights, namely doctors, administrative staff, and administrators. The generated menu included patient registration, clinical data entry, medical report generation, document printing, and notification features for incomplete data entry. The system also produced a simple and user-friendly Interface tailored to user needs. System testing indicated that all features function as intended without significant technical issues.

Through the use of information technology in medical record transactions, an electronic medical record information system has been created that can improve the accuracy of services through structured digital recording in accordance with standards.

Keywords: Design, Prototype, Electronic Medical Records