DEVELOPMENT OF A *QR CODE* BASED INPATIENT MEDICAL RECORDS DOCUMENT CONTROL INFORMATION SYSTEM AT DR.SAIFUL ANWAR REGIONAL GENERAL HOSPITAL

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ABSTRACT

Background: The management of inpatient medical records at Dr. Saiful Anwar General Hospital is still carried out manually using spreadsheets, resulting in discrepancies between the number of submitted medical record documents and discharged patients. **Objective:** This project aims to develop and implement a QR code based information system to facilitate the control process of inpatient medical record documents. **Methods:** The project system development design based on mobile and web applications. The target population consisted of medical record officers responsible for managing inpatient documents.System functionality was tested using black-box testing and quality testing, while user satisfaction was measured using a Likert scale questionnaire. **Results:** The implementation of the QR code based system improved the speed of medical record document management. Black-box testing showed that all functions operated as expected, and quality testing confirmed stable application performance. The Likert scale questionnaire indicated a high level of user satisfaction with the system. **Conclusion:** The QR code based information system successfully enhanced operational efficiency and service quality in the management of inpatient medical record documents at Dr. Saiful Anwar General Hospital.

Keywords: Information System, Medical Records, Barcode, QR code.