DESIGN OF INFORMATION SYSTEM FOR CONTROL OF INPATIENT MEDICAL RECORD DOCUMENTS BASED ON BARCODE AT DR. SAIFUL ANWAR REGIONAL GENERAL

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ABSTRACT

***Background**: Inpatient medical record document control is still using manual with excel because there is no medical record document control information system so that it makes medical record control ineffective. The weakness in inpatient medical record document control using manual with excel causes the number of medical record documents submitted to the medical record installation and IKPK to be different. **Objective**: identify interface design needs by TPP, IKPK, Medical Record officers, formulate needs, develop solution ideas for needs, create an initial version of the interface design, test and refine the interface design. **Method**: This project uses a mobile and website-based interface design. The research location is at Dr. Saiful Anwar Regional Hospital, with the target population being Medical Record Officers, TPP Officers, IKPK Officers. Interface design testing refers to the user-friendly and accessibility aspects in the design display while the information system design is measured by the system usability testing method. **Results**: The results of this barcode-based information system design make medical record document control activities more effective. The design test results show that all functions run as expected, while the system design test with the SUS questionnaire shows that the level of user satisfaction is in the excellent category. **Conclusion**: The need for a barcode-based inpatient medical record document control interface design has been identified, in accordance with user expectations and needs, this design increases the efficiency of medical record document control, the results of usability testing indicate that this UI/UX design is feasible to be developed. Based on the SUS questionnaire, it obtained an average value of 84%, which is included in grade A with the "excellent" category.*

***Keywords**: Information System, Medical Record, Barcode*