

***User Interface of an Information System for Inpatient Medical Record  
Submission Reminder Using the User Centered Design Method at RSUD dr.***

***Haryoto Lumajang***

*Niyalatul Muna., S.Kom., M.Kom (Pembimbing)*

***Intan Tri Wahyuni***

*Health Information Management Study Program*

*Department of Health*

***ABSTRACT***

*Based on preliminary study at RSUD dr. Haryoto Lumajang, researchers identified an issue with the timeliness indicator for inpatient medical records, particularly delays in submitting medical record documents to the medical records installation unit. In April 2025, 61.2% or 1,012 out of 1,651 inpatient medical record documents were submitted late. Contributing factors include doctors often not filling out patient medical summaries immediately and delegating this responsibility to on-duty nurses. Additionally, the absence of a dedicated documentation completeness system with submission reminders was identified as a key factor in these delays. This study aims to design a medical record documentation system using the User Centered Design (UCD) method, which focuses on aligning system design with user needs. Data collection techniques included interviews, observations, documentation, and questionnaires. The design results include a flowchart, data flow diagram (DFD), entity relationship diagram (ERD), and user interface design. Based on the evaluation using the System Usability Scale (SUS), the system scored an average of 70.08, which is above the satisfaction threshold of 68. These results indicate that the design has met user needs so that it can be developed to the system creation stage.*

***Keywords:*** *user centered design, submission delays, system usability testing.*