ABSTRACT

Digital transformation in the healthcare sector has become a national priority, particularly following the enactment of the Indonesian Minister of Health Regulation No. 24 of 2022, which mandates the implementation of Electronic Medical Records (EMRs) in all healthcare facilities. However, in practice, many primary-level independent healthcare providers, such as Independent Midwife Practices (PMB), still rely on manual paper-based record-keeping. This leads to various issues, including data loss risks, information duplication, limited accessibility, and low service efficiency. PMB Delima, as one of the primary healthcare services, faces similar challenges, making the development of a digital solution essential. This study aims to develop a web-based electronic medical record management system using the ICONIX Process methodology, which involves requirement, analysis, detailed design, and implementation stages. The system was developed using the Laravel framework and MySQL database, with key features including patient data management, medical record entry, prescription and billing generation, and multi-format report printing. System testing was conducted using the Black Box method to ensure all functions meet user requirements. The results show that the developed application fulfills all functional needs, improves service efficiency and accuracy, and can serve as an effective digitalization model for independent primary healthcare facilities.

Keywords: Electronic Medical Record, ICONIX Process, Laravel, Independent Midwife Practice