

ABSTRACT

The current clinic registration system is inadequate as it still relies on printed documents and is not yet computerized. Clinics need to print Maternal and Child Health (KIA) books to give to patients, especially pregnant women. Manual registration always uses the KIA examination book, which can delay the review of the medical history of pregnant women and child vaccinations because the pages of the examination book have to be reopened each time a check is conducted. Additionally, this book can be damaged if it gets wet, lost, or torn, leaving pregnant women without a backup. The advancement of information technology has opened up opportunities to improve healthcare services, including those for pregnant women and toddlers. The application "MIBU: Maternal and Child Health Recording Application" is designed to meet these needs by providing a digital platform that facilitates the recording and monitoring of the health of pregnant women and toddlers. This research aims to develop an application that can help midwives in health recording and provide quick and accurate information access to pregnant women about their health conditions and their toddlers' health development. The development method uses the Waterfall approach, which includes the stages of requirement analysis, system design, implementation, testing, and maintenance. The test results show that this application is effective in facilitating the process of health recording and monitoring, and it can improve the efficiency of time and better management of health data. With a user-friendly interface, this application can be a useful tool for midwives and pregnant women in monitoring health during pregnancy, postpartum, and toddler immunization periods. According to the questionnaire results, the respondent satisfaction level is 81.25%, indicating that the respondents are satisfied with the developed application.

Keywords: *MIBU, Pregnant Women, Toddlers, Health Monitoring, Android Application, Information Technology, KIA*