ABSTRACT

Midwives are part of the health team that provides important services to mothers, children and family planning. However, the current system for recording midwife services is still limited to conventional methods which are less efficient and effective. In many cases, this results in increased workload for midwives, difficulty in re-accessing necessary information, and the risk of data loss. Apart from that, the patient must also visit the midwife directly to get information about available services and register to make a reservation. As a solution to this problem, an information system was developed that can be accessed by midwives and patients, this system consists of two website applications, namely a special application for midwives and a special website for patients, this application is called Ninasys. This application was created using React.js as the main library and Next.js as the framework on the front-end side, Golang as the language used for the back-end, and MongoDB as the database. The medical record application allows midwives to record, change and view the results of patient medical records. Meanwhile, the reservation website is used to make it easier for patients to see the various services available and make reservations for the practice of midwife Nina Nurlayina Amd.keb, CHE. In its development, this system adopted the waterfall software development model. The test results show that the system that has been built is able to reduce the time required for the reservation process and medical recording by up to 30%, showing significant efficiency in daily operations. The patient reservation website has also been proven to make it easier for patients to schedule visits based on beta testing with an average result of each question being 84.2% indicating user satisfaction.

Keywords: *Electronic medical record, independent practicing midwife, information system, midwife reservation, web development*