ABSTRACT

Bantul State Special School 1 faces challenges in monitoring the health of children with special needs, particularly autistic students, due to a manual recording system that is prone to errors, data loss, and limited access to real-time information. This study aims to develop an integrated web-based health monitoring information system for children with special needs (autism) to improve the efficiency of recording, monitoring, and reporting student health conditions. The research method uses the Software Development Life Cycle (SDLC) with five stages: design, analysis, design, implementation, and use. Data collection was conducted through observation, interviews with the principal and school health unit staff, and literature review. The system was developed using the Laravel framework for the backend and Tailwind CSS for the user interface. The system is designed to be accessible to administrators, doctors, parents, and health unit staff to monitor, record, and report the health conditions of children with autism in a structured manner. The research results are expected to improve the efficiency of health monitoring, accelerate early detection of health problems, and enhance collaboration between schools, parents, and medical staff in providing optimal care for children with special needs.

Keywords*: information system, health monitoring, children with special needs, autism, web-based, SDLC, Laravel, digitalization of records.*