ABSTRACT

As an effort to improve the quality of health services, the Semarang City Health Office utilizes data collected from various community health centers as the basis for public health policy decision-making. This study aims to develop and implement a web-based Health Report Management System to digitalize the reporting process and integrate data from various community health centers. The system development employs the *ICONIX Process* methodology, chosen for its ability to manage system requirements and design iteratively as well as adapt to changes. The system involves five types of users—community health volunteers, officers, community health centers, divisions within the Health Office, and administrators—with key features including the management of PDAM reports, sanitation counseling, and healthy homes, as well as role-based authentication. Built with *PHP* 8.1 and *MySQL*, testing results indicate that all features operate according to specifications and remain stable when handling an increase in real-time data.

Keywords : Management System, Digitalization, Health Reporting, *ICONIX* Process, Health Technology