

**WEB-BASED LIBRARY MANAGEMENT SYSTEM OF
SD MUHAMMADIYAH CONDONGCATUR YOGYAKARTA**

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ABSTRACT

The objectives of this research are: (1) to determine model of library management system in accordance with the librarian's needs in organizing the library of SD Muhammadiyah Condongcatu Yogyakarta and (2) to analyze the quality of software based on the aspects of interoperability, suitability, usability, maintainability, portability, security, time behavior, and maturity.

The type of research in this study is Research and Development (R&D). This software is built with prototyping method. In the analysis of software quality, this study used research instruments which appropriate with the ISO/IEC 9126 standard.

The research results were: (1) the web-based library management system has been successfully designed and made. The testing result shows that the system which has been made is suitable with the needs of SD Muhammadiyah Condongcatu Yogyakarta that can be utilized maximally; and (2) based on the analysis of software quality, software was meets the ISO/IEC 9126 standard of the aspects interoperability, suitability, usability, maintainability, portability, security, time behavior, and maturity.

Keywords : library management system, Web, and software quality.