

**IMPLEMENTATION AND TESTING
WEB-BASED LIBRARY INFORMATION SYSTEM
(Case Study: SMK Muhammadiyah Mlati, Sleman)**

Amin Arifin, Umar Zaky, S.Kom, M.Cs.

Information Systems Study Program, Faculty of Science & Technology

University of Technology Yogyakarta

Jl. Ringroad Utara Jombor Sleman Yogyakarta

E-mail : aminarifin163@gmail.com, umarzaky@gmail.com,

ABSTRACT

Library information systems have now become a necessity in a library with a library information system providing convenience and speed of service in member registration, book searches, book lending and return transactions, stock availability information and reports that are able to present accurate information. This Library Information System will be designed for the Muhammadiyah Mlati Vocational School Library, where the current system is still running manually, which will have an effect on time and energy efficiency. Librarians perform manual data collection during member registration, book searches, loan transactions, extensions, book returns, stock availability information, donations, and make reports. This will not be efficient if the officer serves many visitors, but it is not done quickly and accurately. Meanwhile, by building this library information system, it can accelerate the process of completing library work effectively and efficiently and improve the quality of better services to library visitors.

Keywords: *Information System, Library, WEB.*