

***Implementation of the Laravel Framework in a Digital Library Website Using the Rapid Application Development Method (Case Study: SMP Negeri 1 Bagor)***

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**ABSTRACT**

*Society 5.0 encourages the use of technology in education, one of which is through the development of digital libraries. Library management at SMP Negeri 1 Bagor is still carried out manually, making it difficult to monitor book stock, record borrowing transactions, and risking data loss. Previous studies on digital libraries are also still limited, with features only focused on the admin role, uninformative book catalogs, and no access rights division between users. The system built in this study presents a more complete solution covering all user roles (admin, teacher, student), an informative book catalog, and more comprehensive testing. System development was carried out using the Rapid Application Development (RAD) method with the Laravel framework and MySQL database through the stages of requirement planning, design, construction, and cutover. System testing was conducted using Black Box Testing with the Equivalence Partitioning technique and User Acceptance Testing (UAT). The results show that the system is capable of managing library data in a more structured and efficient manner, with a functional success rate of 100% from 235 test cases. UAT results from 126 respondents obtained an average score of 90% with a very good category, so the system is declared feasible to be implemented at SMP Negeri 1 Bagor.*

**Keywords:** *Digital Library, Rapid Application Development, Laravel, Black Box Testing, User Acceptance Testing.*