

ABSTRACT

WEB-BASED ALUMNI DATA MANAGEMENT INFORMATION SYSTEM FOR INSTITUTE OF INFORMATICS AND BUSINESS DARMAJAYA

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Alumni data management is a crucial aspect in improving the quality of education and graduate outcomes at a higher education institution. The Institute of Informatics and Business (IIB) Darmajaya, an information technology-based university in Lampung Province, required an effective information system to monitor alumni development after graduation. This study aimed to design and develop a web-based alumni data management information system using the Waterfall method, which consisted of the stages of requirements analysis, design, implementation, testing, and maintenance. The system was designed to facilitate alumni data management, including the recording of personal information, employment history, and access to relevant job vacancy information. The implementation was carried out using the PHP programming language with the Laravel framework and a MySQL database. The Black Box Testing method indicated that the developed system functioned by the specified requirements and proved easier to search and report alumni data. This system expected academic staff and students to obtain more accurate information regarding alumni tracking, supporting curriculum development strategies, and enhancing graduates' competitiveness in the job market.

Keywords: Information System, Alumni, Website, Waterfall, PHP, MySQL

