ABSTRACT

DESIGN ROSE ALLENA LKP INFORMATION SYSTEM WEBSITE USING EXTREME PROGRAMMING METHOD

Oleh

Adnisa Sabina

20102219

Website can serve as both an information medium and a tool to replace manual administrative processes with computerized ones. In the field of Training and Course Institutions, many organizations have yet to fully embrace this transition, and one such institution is LKP Rose Allena. The manual administrative processes in question involve managing registration data using ledgers, paper-based registration forms, manual service bookings, and the storage of registration form data in physical folders. The design of the website focuses on ensuring user-friendly functionality. This research aims to address the issue of irregularities in the storage of paper forms in the administrative and registration data management processes at LKP Rose Allena. This condition can lead to problems such as fading ink or the risk of water damage to the ledger used for data storage. To overcome these challenges, the purpose of this research is to design and build an information system website for LKP Rose Allena using the Extreme Programming (XP) development method. Therefore, it is anticipated that the use of the information system website will enhance the effectiveness and efficiency of the administrative processes and registration data management. The XP method was chosen for its collaborative and adaptive approach to software development, involving stages such as planning, modeling, implementation, and testing. Data collection methods included interviews with the owner of LKP Rose Allena, Mrs. Rosalina, observation during activities, documentation, and literature review. This research provides solutions to several issues faced by LKP Rose Allena, particularly related to fading ink and the risk of damage to paper forms due to water exposure. With the implementation of the tested system through blackbox testing and user acceptance evaluations, it can be concluded that this research successfully created an effective solution to enhance administrative processes and data management.

Keywords: Admin Dashboard, Information System, Laravel, Website, XP