

Desain dan Implementasi Sistem Informasi Gereja Berbasis Web dengan Metode Agile Studi Kasus : Gereja Bethel Injil Sepenuh Surakarta

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Abstract

Gereja Bethel Injil Sepenuh (GBIS) Nusukan is a Christian place of worship located in Nusukan, Surakarta, with a significant congregation. Currently, the management of congregation data, church bulletins, events, and offerings is still carried out manually, leading to inefficiencies and challenges in information accessibility. The reporting of church bulletins is often delayed and difficult to access, while manual management of offerings complicates tracking and processing. To address these issues, I propose the development of a Church Information System. This system will support the management of congregation data, online payments, and event registrations. Using the Agile Scrum methodology, the development will be flexible and adaptable. The technologies used in its development include React JS for the FrontEnd and Laravel for the BackEnd. The use of use cases, an Entity Relationship Diagram (ERD), and Sequence Diagrams will ensure a clear understanding of the functionality and data relationships.

The designed Church Information System has been successfully developed and implemented to manage various operational aspects of the church, including congregation management, church events, and reporting. The management of data and information that was previously handled manually at GBIS Nusukan can now be carried out more efficiently through this system. Church bulletins can now be reported digitally, and both the congregation and church administrators can access information online through the GBIS Nusukan website. Additionally, the offering management features, including offering recording, financial reports, and online access to offering information, have improved transparency and accountability in the management of church offerings.

With the implementation of this information system, the various issues previously faced by GBIS Nusukan related to data and information management can now be effectively resolved.

Keywords: Information System, website, Agile Scrum, React JS, Laravel, ERD.
