

ABSTRACT

AGILE IMPLEMENTATION FOR WEB-BASED INFORMATION SYSTEM DEVELOPMENT OF HURIA KRISTEN BATAK PROTESTAN PURWOKERTO

By

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In the era of globalization, information systems have become an important tool for organizations to manage data and increase the organization's productivity. Huria Kristen Batak Protestan (HKBP) Purwokerto, like many other organizations, still uses a manual system, namely using paper to manage congregation data, finances, and activity planning and service schedules. This leads to wasted resources, data inaccuracies, and limited accessibility. This research aims to apply the Agile method in building a web-based HKBP Purwokerto information system website. The Agile method was chosen because it emphasizes collaboration, adaptation, testing, and feedback, which are important for building systems that meet user needs. This research was carried out by identifying the needs of HKBP Purwokerto, designing and building a website, and evaluating its effectiveness. The research results show that the Agile method was successful in building the HKBP Purwokerto information system website based on the results of black box testing with two experts and obtained a result percentage of 100% from 90 test cases as well as UAT test results on 60 congregation members and obtained a result percentage of 92.3%. This shows that this website is good and suitable for use by the congregation or HKBP Purwokerto administrators. This information system has been successfully implemented at HKBP Purwokerto and this website makes it easier for the church to record data and report on congregations and record church finances. And the website makes it possible to provide information on congregational news and church finances more optimally and easily accessed by the congregation at any time according to their wishes.

Keywords : *Agile Development, Data Management, Huria Kristen Batak Protestan, Information System, Website.*