ABSTRACT

PRIMARY SCHOOL (SD) INFORMATION SYSTEM DESIGN USING WEBSITE BASED AGILE METHODS (Case Study: SDTQ Hana Mulia)

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The development of information technology demands a more structured payment system and data management in the educational environment. SDTQ Hana Mulia is a school that has a superior program, namely tahfidzul qur'an, where each student has memorized at least juz 30. The problem at SDTQ Hana Mulia is that tuition payments are made by sending proof of transfer via WhatsApp which causes delays in verification and the risk of recording errors, and student data management still uses physical documents and Microsoft Excel increases the risk of data loss and slows down access to information. This study aims to design a digital tuition payment information system that is integrated with the student data management system. This study uses the Agile method with system development using the PHP programming language and the Laravel framework. Then in its implementation, functional testing is needed using Black Box Testing. The results of this study are that the tuition payment system was successfully created and makes it easier for schools to manage payment data, manage student data, and provide school information to parents or the community in real-time. This system was tested using the Black Box Testing method which showed that all functions worked well with a success rate of 94.6%.

Keywords: Agile, Black Box Testing, Information Systems, Laravel, Website.