ABSTRACT

WEBSITE-BASED INFORMATION SYSTEM DESIGN OF TPQ AISYAH MAULIDA HASANAH USING THE WATERFALL METHOD

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The development of the increasingly advanced digital world makes the speed of receiving information also faster and more complex. This is supported by the wider internet coverage and the price of smart phones that are currently affordable by local people, making the increase in users even faster. However, with all the facilities available, the use of information technology is still a little applied in local communities. The learning documentation process at TPQ Aisyah Maulidah Hasanah still uses the conventional method, where students and parents of students can only see learning outcomes through paper media. The recording of monthly contribution payments also still uses a notebook which has the potential to lose large data if a book is replaced or a book is lost. Information technology can be used to help TPQ Aisyah Maulidah Hasanah and parents of students so that data recording is safer through a web-based information system that can facilitate processing and receiving information by TPQ managers and parents of students regarding recording the development of student achievements and payment of fees. The method used in developing this web-based information system is SDLC (System Development Life Cycle) with a waterfall model and uses the Laravel framework. Information system testing is in the form of black box testing to ensure the function of each display and feature is running, and a user satisfaction survey using the CSI (Customer Satisfaction Index) method to determine the level of user needs of the information system used. The results of this study are in the form of a website display that can be accessed by the public via the internet as a supporting tool for data and information management of TPQ Aisyah Maulida Hasanah.

Keywords: TPQ Information System, Laravel, Waterfall Model