ABSTRACT

WEBSITE BASED ACADEMIC INFORMATION SYSTEM DESIGN USING EXTREME PROGRAMMING METHOD (CASE STUDY: STATE JUNIOR HIGH SCHOOL 3 WATUKUMPUL)

SMP Negeri 3 Watukumpul is a junior high school located in Bongas Village, Watukumpul District, Pemalang Regency, Central Java. This school has implemented website-based technology as a medium for conveying information, but the website is no longer usable. The data obtained from the interview results indicate the need for an academic information system website as a medium for disseminating information and managing academic data digitally. Based on the existing problems, researchers will re-create a website-based Academic Information System for SMP Negeri 3 Watukumpul as a medium for delivering information and managing academic data. This research uses the Extreme Programming method which is one of the development methodologies of Agile Software Development Methodologies. The Extreme Programming method has several stages, namely Planning, Design, Coding, and Testing. In testing this system, researchers use black box testing to test its functionality. The test results state that the website can run well according to the flow made.

Keywords : Agile, Extreme Programming, Information Systems, Technology,

       Website