

ABSTRACT

RANCANG BANGUN WEBSITE PERSURATAN ONLINE DI DESA ONJE MENGGUNAKAN METODE EXTREME PROGRAMMING (XP)

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The development of information and communication technology has created a global trend in Industry 4.0, impacting public services and government digitalization. The Indonesian government strives to provide easily accessible and efficient public services, including at the smallest government institution, the Onje Village Office. One of the public services needed by rural communities is the correspondence service. However, Kantor Desa Onje faces challenges in the process of submitting request letters, one of which is the lack of information on the requirements for letter submissions, causing difficulties for the community. The research begins by gathering information through observation, interviews, and literature review. The purpose of this study is to design and build a document service website using the Extreme Programming (XP) method. The XP method is chosen for its ability to produce high-quality products quickly and effectively, and its adaptability to changing user needs in developing a website-based correspondence service information system through planning, design, coding, and testing stages. The development of the system using the extreme programming method resulted in a service information system website. System testing applied the blackbox method with descriptive analysis, producing a feasibility score of 95.9%, interpreted as 'very feasible.' System Usability Scale testing yielded an average score of 71.5, falling within the Acceptability Ranges with the category Acceptable. According to the grade scale, the system is categorized as C, while according to the adjective rating, the system achieved a Good rating. Overall, it can be concluded that the website resulting from this system development is highly suitable and well-received by the community, as evidenced by the test results.

Keywords: Onje Village, Letters, Method Extreme Programming