

ABSTRACT

THE WEBSITE BASED JENGGALA TOURIST DESTINATION INFORMATION SYSTEM USING EXTREME PROGRAMMING METHODS (CASE STUDY: JENGGALA TOURISM OBJECTS)

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NIM 20102016

The advancement of technology has significantly impacted various sectors, including tourism. One of these impacts is the development of website-based Information Systems in the tourism sector to disseminate information about destinations. Additionally, websites can facilitate ticket booking management. One of the main challenges faced by the management of Curug Jenggala Tourism is the limitation in promotion and ticket booking, resulting in operational inconvenience and interaction issues with visitors. To address these challenges, this research aims to design and implement a website-based Tourism Information System using Extreme Programming (XP) as a solution for Jenggala Tourism. XP was chosen for its responsiveness to changing needs and its ability to rapidly develop software through short iterative cycles. The XP stages applied include planning, design, coding, testing, and integration. The resulting website will serve as an integrated and easily accessible source of information for prospective visitors, providing up-to-date details on facilities, ticket prices, operating hours, and destination descriptions. Active participation from both tourism managers and visitors in the development process will ensure that the system meets their expectations and needs effectively. The research findings and implementation of XP in developing the Jenggala Tourism Information System resulted in a functional, reliable system that meets user needs. Functional testing of the website using Blackbox testing yielded a 100% success rate, indicating optimal operation and alignment with its functions. Moreover, the System Usability Scale (SUS) survey resulted in an average score of 80.25, categorizing it as "Excellent" on Grade Scale B, falling within the "Acceptable" category, demonstrating that the website is sufficiently user-friendly and effective for use.

Keywords: blackbox, SUS, ticket booking