

## ABSTRACT

### DESIGN AND DEVELOPMENT OF GERMANGGIS TOURISM WEBSITE IN CILONGOK, BANYUMAS USING EXTREME PROGRAMMING METHOD

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Tourism is one of the key sectors contributing to economic growth, especially in the era of globalization. One of the prominent tourist destinations in Banyumas Regency is Germanggis Tourism, located in Karangtengah Village, Cilongok. However, its administrative and transaction processes are still conducted manually through WhatsApp and simple record-keeping. This results in several challenges, such as piled-up booking messages, difficulties in order management, and potential errors in transaction recording. To address these issues, this study aims to design and develop a web-based booking system using the Extreme Programming (XP) method to improve operational efficiency and enhance visitor experience. The developed website features essential functionalities, including tourism information search, ticket and facility reservations, and an online payment system integrated with Midtrans. Testing was conducted using Blackbox Testing and User Acceptance Testing (UAT) methods. The results of Blackbox Testing indicate that all website features function correctly according to the specified requirements. Meanwhile, UAT results, measured using a Likert scale with 107 respondents, show a user satisfaction rate of 85.3%, categorized as "Strongly Agree." These findings demonstrate that the developed website significantly improves the efficiency of booking, transaction management, and access to tourism information for users.

**Keywords:** Tourism, Website, Extreme Programming (XP) Method, Blackbox Testing, UAT.