

## **ABSTRACT**

### **DEVELOPMENT OF A SYSTEM FOR CREATING VILLAGE PROFILES RELATED TO VILLAGE DEVELOPMENT DATA BASED ON WEBSITE WITH WATERFALL METHOD**

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*This research aims to develop a website-based application to assist villages in processing and presenting real-time data. The application is designed to help village institutions view constantly updated data related to their respective villages and institutions, providing easily accessible and regularly updated data. The method employed in developing this application is the waterfall method, known for its well-defined stage structure from analysis to maintenance, clear and predictable outcomes, comprehensive documentation aiding in schedule and budget management, making it suitable for projects where schedules and budgets are crucial. User Acceptance Testing (UAT) results indicate an acceptability score of > 83,04 %, signifying the application's good usability and satisfactory quality, while Black box Testing shows that the application meets the expectations of each testing scenario and is bug-free. Consequently, the application's development can fulfill user needs and enhance user experience with minimal application bugs.*

**Keywords: Black box Testing, Waterfall, User Acceptance Testing.**