

THE APPLICATION FOR REPORTING DAMAGED ROADS IN MUARA BASUNG VILLAGE BASED ON A WEBSITE USING THE CROWDSOURCING CONCEPT

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ABSTRACT

Roads are a ground transportation infrastructure that plays a crucial role in supporting various aspects of the economy, society, culture, and other aspects of community life. Numerous community activities are influenced by the condition of roads. However, the roads in Muara Basung Village are still in a concerning state. This is evident from the substantial number of reports submitted by the community regarding damaged roads. The reporting of road damage in Muara Basung Village still has limitations due to its manual nature. Up until now, residents have been reporting issues to the Muara Basung Village office by either visiting the office in person or going through the local sub-district or neighborhood units (RT). Consequently, residents are unable to ascertain the extent to which their reports are being addressed by the Muara Basung Village authorities. In order to address this issue, a Crowdsourcing-based Website Application for Reporting Road Damage in Muara Basung Village has been developed. This application is designed using the PHP (Hypertext Preprocessor) programming language with a MYSQL database. The reporting application has two user roles: residents, who serve as reporters in submitting reports about damaged roads, and administrators (Muara Basung Village staff), who manage the report data, process the reports, and respond to them. The application's strengths include the ability to generate printed reports of data submitted by residents. Additionally, the application offers a reporting mechanism that allows reporters to submit their reports from anywhere. This will make it easier for the village authorities to gather data on road damage.

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