

***Decision Support System for Road Improvement in Jember Regency using
Simple Additive Weighting Method.***

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ABSTRACT

This research aims to develop a Decision Support System (DSS) to prioritize road damage repairs in Jember Regency, using the Simple Additive Weighting (SAW) Method. Road damage is a frequent issue in transportation infrastructure, disrupting residents' mobility and potentially leading to traffic accidents. The results of this study are anticipated to aid the Jember Regency Bina Marga Office in objectively and efficiently making road repair decisions. The SAW method allows for road damage management based on predetermined priorities, which are set according to the weight of criteria established by the Jember Regency Bina Marga Office's road condition assessment form.

Keywords: *Decision Support System, Simple Additive Weighting*