

ABSTRACT

Objective: to build a website for complaining of road damage in Yogyakarta City as a reporting medium to help the DPU in serving the community, maintaining security and public facilities.

Design/method/approach: Using the SMARTER Method with ROC calculations to determine which road will be selected as a priority.

Result: From the reporting of road damage complaints, the roads will be prioritized from the largest to the smallest ranking. Originality/state of the art: The difference between this research and previous research is in the object of research. In this method, the road damage data are analyzed and imported to the database. Then the results of the analysis are processed using the SMARTER method. The output of this system is the ranking of road damage that are prioritized from the largest to the smallest value.

Keywords: DPU; SMARTER; Road Damage; ROC; Reporting