

ABSTRACT

Samuel Lagamu. 2020. "The use of Pavement Condition Index (PCI) and Bina Marga methods to analyze the level of road damage (Case Study of Jalan Mayakeli Padamarari , Pamona Puselemba Subdistrict, Poso Regency)", Supervised by Pujiono, ST., M.Sc, and Orva Elisabeth Wu'on ST., MT.

The objective of the research was to find out the condition of road damage and to compare the results of the Bina Marga method with the Pavement Condition Index (PCI) method in evaluating road damage. In this study the authors took a case on the Mayakeli - Padamarari road section, Pamona Puselemba District, Poso Regency. The first step was to take a site survey and then collect data from the field. in this study the authors used the Pavement Condition Index (PCI) method as a comparison. The finding of the research obtained the road damage evaluation that the total damage occurred was 3305.79 m³. The result of road damage evaluation based on the Bina Marga method found that priority order is 8,167 (priority order > 7), is class A priority, and the results of road damage evaluation based on thr pavement Condition Index (PCI) method shows that the road condition value or the PCI road value is 66.44 which in included in the classification of pavement quality with a good level.

Keywords : Road Damage, Bina Marga, PCI Method