EVALUASI KONDISI PERKERASAN JALAN PADA RUAS JALAN RAYA CISAYONG MENGGUNAKAN METODE *PAVEMENT CONDITION INDEX* (PCI) DAN BINA MARGA

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ABSTRAK

Jalan Raya Cisayong adalah akses utama menuju Kantor Kecamatan Cisayong dan Polsek Cisayong, Kabupaten Tasikmalaya yang mengalami kerusakan pada beberapa ruas jalannya sehingga perlu dilakukan evaluasi kondisi perkerasan jalan. Penelitian ini bertujuan untuk mengetahui kondisi perkerasan jalan menggunakan metode Pavement Condition Index (PCI) dan Bina Marga, serta mengetahui jenis penanganan kerusakan jalan yang sesuai. Survey dilaksanakan pada jalan sepanjang 5,119 km yang terbagi menjadi 103 unit sampel atau segmen pada metode PCI dan 51 segmen pada metode Bina Marga.

Hasil dari penelitian menggunakan metode PCI adalah 26,21 % perkerasan dalam kondisi sempurna; 20,39 % dalam kondisi buruk; 19,42 % dalam kondisi sedang; 15,53 % dalam kondisi sangat buruk; 10,68 % dalam kondisi baik; 4,85 % dalam kondisi gagal dan 2,91 % dalam kondisi sangat baik. Sedangkan penilaian menggunakan metode Bina Marga adalah 66,67 % perkerasan masuk program pemeliharaan berkala, 25,49 % pemeliharaan rutin, dan 7,84 % masuk program peningkatan.

Kata kunci : Penilaian Kondisi Jalan, *Pavement Condition Index* (PCI), Bina Marga

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***EVALUATION OF ROAD PAVEMENT CONDITIONS
ON THE CISAYONG ROAD USING PAVEMENT CONDITION INDEX
(PCI) AND BINA MARGA METHODS***

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ABSTRACT

Cisayong road is the main access to the Cisayong District Office and Cisayong Police Station of Tasikmalaya Regency which experienced damage to several sections of the road so it is necessary to evaluate the condition of the road pavement. The purpose of this research is to determine the condition of the road pavement using the Pavement Condition Index (PCI) and Bina Marga methods, as well as determine the appropriate type of road damage treatment. The survey was carried out on 5,119 km of roads which were divided into 103 sample units or segments using the PCI method and 51 segments using the Bina Marga method.

The results of research using the PCI method were 26.21% of the pavement in excellent condition; 20.39 % in poor condition; 19.42% in fair condition; 15.53 % in very poor condition; 10.68% in good condition; 4.85 % in failed condition and 2.91 % were in very good condition. Meanwhile, in the assessment using the Bina Marga method, 66.67% of the pavement entered the periodic maintenance program, 25.49% entered the routine maintenance program, and 7.84% entered the improvement program.

Keyword : Road Condition Assessment, Pavement Condition Index (PCI), Bina Marga

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