

ANALYSIS OF CONDITION AND TYPE HANDLING OF NATIONAL ROAD IN CENTRAL SULAWESI PROVINCE (CASE STUDY: TOMPE - PANTOLOAN)

Syamsul Arifin

Department of Civil Engineering, Faculty of Engineering, Tadulako University, Indonesia

ABSTRACT

Tompe-Pantoloan Road is a National Roads in Central Sulawesi Province traversed by all types of vehicles. High traffic volumes combined with ineffective handling of road maintenance can lead to decrease performance in road conditions. Therefore, road handling must be adjusted to road conditions in order to achieve the target of road stability. The purpose of this research is to analyze the condition and type of handling of National Road in Central Sulawesi Province (Case Study: Tompe–Pantoloan). The method used in this research is the Integrated Road Management System (IRMS) application. In this software required input data are road surface roughness data (IRI), traffic data, road condition data, road inventory data, and reference point data. Based on the result of IRMS application output, IRI prediction condition for Tompe-Pantoloan Road is good condition, medium, and light damaged during 5 years of analysis. Handling of road maintenance for Tompe-Pantoloan Road covers routine, routine condition and Minor rehabilitation. The total cost in accordance with the recommendations of maintenance handling from 2018 to 2022 on the Tompe-Pantoloan Road section of Rp. 63.066.000.000,00,

KEYWORDS: *Road Condition, IRMS, National Road*

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