

**COMPARATIVE ANALYSIS OF DAMAGE LEVEL OF CURVING
ROADS USING THE METHOD BINA MARGA AND
PAVEMENT CONDITION INDEX (PCI)**

(Case Study: Jl. Sultan Syarif Kasim Subdistrict Sungai Apit Regency Siak)

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ABSTRACT

Jl. Sultan Syarif Kasim, Teluk Masjid Village, Sungai Apit District, Siak Regency is one of the roads that is traversed by various types of vehicles with various interests, this road is included in the Regency road because it connects Pusako District with Sungai Apit District. Of the many types of vehicles that pass through this road can cause damage to the road. Then an evaluation of the level of damage was carried out using the Bina Marga method and the Pavement Condition Index (PCI) from the results of the evaluation carried out, the results obtained from each method used were as follows. For the Bina Marga method, the percentage value of damage to the road section of Sultan Syarif Kasim, Teluk Masjid Village, Sungai Apit District, Siak Regency was heavily damaged by 25.81% and the rest was classified as good, 74.19%. The average road condition value on the Jl. Sultan Syarif Kasim (Sungai Apit) PCI method is 60.23 with a Fair rating (Medium)

Keywords: Comparison, Road Damage, Bina Marga, PCI