

**ANALISIS PENYEBAB KECelakaan LALU LINTAS  
RUAS JALAN PACET-CANGAR (STA.0+320-STA.0+800)  
KABUPATEN MOJOKERTO**

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**ABSTRACT**

The Pacet-Cangar road section is a road that connects Mojokerto Regency and Batu City. This road, which is located in Pacet sub-district, is often used because this route is an alternative road to the tourist city of Batu as well as several recreational spots such as waterfalls and hot springs in the Cangar area. The Pacet-Cangar road section is famous for being extreme. This alternative route from Batu City to Mojokerto has steep descents and sharp turns. No wonder the number of accidents on this route is quite high.

The aim of this research is to find out the factors that cause accidents, and what vehicles are involved and the impact of accidents. The benefit of this research is that it can serve as a reference and lesson for future research, especially providing information regarding analysis of traffic accident data on the Pacet-Cangar road section. The data needed is traffic accident data from the Mojokerto Police, Mojokerto district. The analysis carried out to identify accident-prone areas and points (blackspots) uses a method, namely by calculating the number of fatal accidents (TF) and the UCL limit value (upper control limit).

From the results of data analysis, there are blacksite areas, namely the Pacet-Cangar road section km 8 – km 9. Furthermore, road points identified as accident-prone points (blackspots) were also found. The accident-prone point that has the highest fatality rate is the point namely the Pacet-Cangar road section km 8 – km9 with a value of  $TF = 698,270$  and  $UCL = 839,130$ . The recommended traffic accident mitigation is to improve the awareness of road users in traffic with driving safety education and the installation of road facilities.

**Keywords:** Traffic Accident Analysis, Pacet-Cangar Road Section