

# **The Effect Of Side Barriers The Road Performance To Around Acces To The Pakupatan Bus Station**

Muhammad Rafji Muharam

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## ***ABSTRACT***

*The side barriers is the activities on the side of the road segment which caused congestion. In the Pakupatan Bus Station area many community factors of side barriers such as pedestrian, public transportation and other vehicles that stopped, non motorized vehicles and vehicles which in or out through side land of the roads. In addition, the large many commercial activities in side road of Pakupatan Bus Station and also close to the education places such schools and university, so that buses and city transportation stop anywhere and cause congestion.*

*This research was aimed to know how magnitude of the influences of the side barriers to the performance of the roads around Pakupatan Bus Station and know the alternatives determine planning solutions to reduce the side barriers. The analysis was carried out using the PKJI 2014 method (Indonesian Road Capacity Guidelines 2014).*

*The result of this study indicate that the influence from side barriers are very influential to the performance of the road with total traffic volumes vehicles on Tuesday 4504 vehicles/hour and volumes vehicles on Saturday 3839 vehicles/hour was taken from two observed directions, so the overall average is 4172 skr/hour, and the densest peak hours occur at 17.00-18.00 With a degree of saturation 0.73, the service level is C.*

**Keywords:** *side barriers, roads capacity, traffic volume, degree saturation, speed, level of service.*

