ABSTRACT
The Walikota Mustajab street at Surabaya is one of central activities which is interesting to run business in Surabaya. This area is very busy which makes the traffic so crowded. In other words, the more people doing activities there, more parking area will needed. So it needs analysis to be done for parking area in this street segment. The purpose of this study is to get the solution that can be offered to overcome the overfullness in Walikota Mustajab street segment.

The method that used to collecting data on this study are primary data and secondary data. The primary data taken from direct observation on the area consist of: total of vehicle, parking duration and traffic volume, whereas the secondary data taken from the map of Walikota Mustajab street.

Based on the analysis, as the result that the degree of saturation has experienced overfullness with value among 1.31. the alternatives that taken to overcome this problem is to make a parking lot near the street and to change the street’s type into one way. Walikota Mustajab’s volume of vehicle will be diverted to Ketabang Kali and Jimerto street with Smock method. After getting the transfer volume of Walikota Mustajab street, degree of saturation in the saturation in the Ketabang Kali street amounted to 0.573 and in Jimerto street is amounted to 0.281.
Keyword: Parking, Road Capacity