SUMMARY

Laily Rizky Amalia, Departement of Urban and Regional Planning , Faculty of Engineering, University of Brawijaya, July 2016, *Evalution On Street Parking Operational Performance on Jl. KH. Agus Salim, Jl. Zainul Arifin, and Jl. SW. Pranoto, Klojen, Malang City*, Academic Supervisor: Imma Widyawati Agustin, ST., MT, Ph.D dan Dadang Meru Utomo, ST., MURP.

One of the things that are difficult to be separated from people's activities is transportation.The attraction of movement is often influenced by vibrant activities in cities. This condition, however, depends largely on transportation system of which parking is a major element.

There is a problem of on street parking such as the 60° parking lot can be affected to travel way effective width and the restricted parking space. Therefore, the researcher has attempted to cope with the problems of on-street parking, particularly on K. H. Agus Salim street, Zainul Arifin street, and S. W. Pranoto street.

This research aims to find out the possible model of on-street parking space needs of the study areas. The analysis methods of this research are land use analysis as to identify the characteristic of existing land use, on-street parking performance analysis, and streets performance analysis as to investigate the existing condition of streets and the side barriers effect (on street parking) towards the roads level of services. Multiple linear regression analysis used for determine the model of vehicle parking space.

The results showed that the independent variables that affect models parking spaces needs for motorcycles and four-wheeled vehicles are the number of available parking plots (X_4), parking accummulation (X_5), parking duration (X_6), parking turnover level (X_7), parking index (X_8), and roads level of service (X_9). The variables become one of the considerations to compile the on street parking recomendations control on street parking for the study area which is progressive parking, control parking area and parking time.

Keywords: On Street Parking, Malang City, Control Parking