Abstract

Parking facility is part of a transportation system, if the vehicle arrives geared toward the vehicle shall be parked for vehicle users to do various activities. Failure in the provision of adequate parking space would cause traffic jams, can even reduce the value of a building access.

Parking is very difficult problems to be solved for a variety of parking demand that tends to clash between shop owners, public and private vehicle drivers, parking attendants and the movement of traffic on these roads.

Parking data obtained from field surveys. Parking survey was conducted by recording license plates of vehicles with 15-minute intervals patrols carried out on the Thursday and Saturday. By checking through the Benefit Cost Ratio for the construction of parking lots outside the road is intended to accommodate the number of vehicles on the road by considering the effect on the smooth traffic in the vicinity. The method used is the analysis of vehicle operating costs and value of time. Construction of parking area at Jalan Kertajaya to Benefit Cost Ratio (BCR) with an alternative parking space segment one obtained $0.12 \leq 1$ is not feasible to be built, parking field 2 is
0.01 \leq 1 \text{ is not feasible to be built. With the second alternative is obtained } 0.05 \leq 1 \text{ and is not feasible to be built if only used to serve a parking area and the second segment which is only 200m long.}

Keywords: Parking, BOK, Value Time, BCR, Kertajaya.