

ABSTRACT

TRAFFIC ENGINEERING APPLICATION TO OVERCOME PROBLEMS ON TRANSPORTATION CITY CENTER ACTIVITIES IN TANJUNG KARANG BANDAR LAMPUNG

By

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Central Business District (CBD) Tanjung Karang is a meeting point throughout the main roads in the city of Bandar Lampung which incidentally became a liaison between the centers of the main activities as stated in the hierarchy of the city service center in the city of Bandar Lampung, Tanjung Karang, Teluk Betung, Kedaton, Kemiling, Rajabasa, Sukrame, Sukabumi and Tanjung Senang. CBD Tanjung Karang is also the main crossing point of most of the route or the route of public transport services in the city of Bandar Lampung.

This study aimed to analyze the pattern of trip distribution of the traffic on the road network and formulate the concept of traffic demand management (TDM) in the CBD area of Tanjung Karang. The method used is the analysis of trip assignment on the system of the road network in the CBD area of Tanjung Karang using of software TranPLAN.

The results showed that 56.63 percent of the total movement is the movement that has an origin and / or destination of the CBD area of Tanjung Karang, was 32.60 percent of the remain is through traffic moving from and / or towards the zone around the area CBD Tanjung Karang. Internal movements that occurred in the area of CBD Tanjung Karang is relatively small, 10.78 percent. Also demonstrated that the proposed treatment TDM effective in overcoming the problems of traffic in the CBD area of Tanjung Karang is the through movement of the moving current road network system in the CBD area of Tanjung Karang, where its influence can be seen on the degree of saturation (DS) overall road system existing networks are relatively smaller than 0.60.

Keywords: trip distribution, trip assignment, through traffic, degree of saturation, traffic demand management