ABSTRACT

STUDY OF OPTIMIZATION PARKING FACILITY IN FACULTY OF THEACER EDUCATION AND EDUCATION SCIENCE (FKIP) IN UNIVERSITY OF LAMPUNG

by

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University of Lampung (Unila) is the only one public university in Lampung. Unila contained of eight faculties. Each faculty has its own parking area that serves as one of the supporting facilities all student activities on campus Unila. The purpose of this study is to determine whether the already existing parking capacity has met users need in Unila parking, especially in FKIP, as well as trying to find a solution to the handling of parking problems in that Faculty.

This study consisted of two phases, which collects data required parking, such as license plate numbers of vehicles, to enter and exit the vehicle, and then analyze it with some formula that is used as a parameter conclusion. This study uses several parameters that are used as a reference conclusion and settlement of the problem, namely the accumulation of vehicle parking, parking index, duration of parking, parking capacity, as well as parking turnover rate (PTO). From the calculation results will be concluded and related solutions in that Faculty.

From the analysis, the accumulated value obtained in FKIP largest car park as many as 54 vehicles, while the majority of motor vehicle accumulation of 869. In calculating the capacity of the car park at FKIP obtained the largest parking capacity as many as 557 vehicles, while for most motor vehicle parking capacity that is equal to 6361 vehicles. In parking index calculation index values obtained for the vehicle's biggest car park as many as 125,81%, while the largest motor vehicle as much as 114,49%. At the turn of the calculation in the FKIP-level parking for automobiles obtained maximum value of 3.79, while in a motor vehicle obtained maximum parking turnover rate of 3.64. From calculations conclude that the motor vehicle parking area at FKIP could not accommodate vehicle parking. As a solution to the problem of the parking lot, then made plans car and motor vehicle parking area at the FKIP plan that can accommodate vehicles parked cars on the faculties.

Keywords : FKIP, parking index, parking duration , parking capacity, PTO