

## **ABSTRACT**

### ***PARKING OPTIMIZATION STUDIES IN THE FACULTY OF AGRICULTURE (FP) AND MULTIPURPOSE BUILDING (GSG) UNIVERSITY LAMPUNG***

***By***

**IRA KUSUMAWATI**

*University of Lampung (Unila) is one of the universities in Lampung with eight faculties and each faculty has a parking area to support all the activities. This study aims to determine whether the existing parking capacity at the Faculty of Agriculture (FP) and the Multipurpose Building (GSG) can accommodate the parking of vehicles, as well as trying to find a solution to the parking problems. Two stages of this research, which collects the license plate number and the vehicle entrance and exit time, then analyze with some formulas as a parameter to draw conclusions, the accumulation of vehicle parking, parking index, duration of parking, parking capacity, as well as parking turnover rate.*

*In the calculation from FP available capacity of 345 cars and 2540 motorcycles, with the parking index 183.91% for cars and 99.34% for the motorcycles and the parking turn over rate is 4,8 for cars, 2,95 for motorcycles. In the calculation from GSG index calculation, obtained the value of 22,36% for motorcycles and 105,83% for cars. At the parking turnover rate calculation, obtained values of 1.06 for cars and 0,23 for motorcycles.*

***Keywords : FP, GSG, parking index, parking duration, parking capacity, parking turn over.***