

ABSTRACT

Parking system at FIT (Faculty of Applied Sciences) Telkom University currently uses ticketing system by parking by tapping using employee card or student card when entering Telkom University parking gate. Ticket parking system is still lacking, namely the limited access and the amount of parking space in Telkom University area. The limited parking area in FIT has caused the users of four-wheeled vehicles to enter the parking lot without knowing the vacant parking lot or filled up. This causes the number of parked vehicles not in accordance with the capacity of parking lots. Therefore, it needs a parking system that can be used as media for parking lot reservation at Telkom University especially Faculty of Unfair Science. Reservation is done through the parking reservation website under the domain name www.reservasi-parkir.com. This system facilitates vehicle users register as a member for parking reservation process. The parking reservation system is designed to provide information on the availability of vacant parking lots on FIT and the vehicle user can book the parking lot until he / she arrives in the parking area, parking reservation can be done through the device that can access the website and send confirmation via sms. The parking reservation system prototype has been tested using 5 users of the maximum 150 users, with 15 minutes of travel time for each reservation.

Keywords: Parking Reservation System, FIT, Website, Sms Confirmation, Member