

ABSTRACT

Parking facility in Telkom Institut of Technology is the one of facilities that are still to be developed in achieving World Class University. Improvements to parking facilities include not only facilities but also the increased improvement in parking management. IT Telkom currently has several locations separate vehicles by type of two-wheeled vehicles and four wheel. In the implementation of operational parking activities, there are some problems experienced by internal user and external user. Here are some of the problems that often occur in the parking location based on opinion of students Telkom IT : Tickets for parking which is often lost, irregularity occurred parking, entrance and exit gates are often used in a same way so that mobility is often obstructed, entrance ticket still using manual process by make a note on paper. The problems that arise over essentially derived from the less applied parking management where parking in implementing good management must consider several aspects such as: parking regulation, parking facility and operation, overflow parking plan, design and capacity-building parking garage in the environmental field IT Telkom.

On this research designed a parking information system in according to the analysis of business process improvements by using the methods of Business Process Reengineering. The approach used in the improvement of the paper this method is clean sheet which are fundamentally rethink how to provide better services and design parking processes with new attention to the aspects of parking management.

IT Telkom parking information system using Student Identity Card (KTM) or a barcode label as a ticket and some database that stores data of vehicle. IT Telkom parking information system is designed with the goal to improve a parking security, to help operational activities, and improve services of parking in IT Telkom. The use of information systems can also provide outcome that giving security for users, can accommodate vehicles during working hours, and provide pleasant and order in the parking environment of IT Telkom.

Key Words : Parking Information System, barcode reader.