

PARKING MANAGEMENT DESIGN ANDROID-BASED ACCIDENT PROOF GOODS

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ABSTRACT

A traffic accident evidence parking lot is a place of care used by the police to collect evidence of traffic cases. Parking lots for accident evidence are available in almost every police location such as the Sector Police, Resort Police, Regional Police and others. Currently, the parking lot for the evidence of an accident then applies manual processing, such as monitoring the state of the parking lot. Manually processing parking lots still has shortcomings, such as parking area information which can lead to a buildup of vehicles in the parking lot for evidence of an accident. The monitoring system in processing the parking lot for evidence of an accident is certainly expected to be a solution to this problem. In this research, the design of an android-based application system in real time using Arduino uno, ESP8266 and ESP32-Cam microcontrollers is carried out. The result of this research is a renewable system to help make it easier for accident parties in parking management and monitoring directly or in real time.

Keywords: *Android, Arduino Uno, Parking Monitoring, Accident Evidence.*