ABSTRACT

According to a survey released by the Central Statistics Agency of West Java Province that the purchasing power of private vehicles is increasing every year. So as to create opportunities for the community to develop a parking lot management business. In managing parking lots, the thing to consider is the amount of parking lots that are often full. Therefore, we need a remote parking monitoring system that is useful to reduce the cost of parking users.

The focus of this thesis is the network analysis of the implementation of parking lots. The features in the parking lot are a reservation system for parking space and parking space available. The parking lot reservation system will receive input in the form of parking space availability through an ultrasonic sensor. These conditions become input for parking lot displays in the form of applications. All these systems will be monitored and controlled through an android application that is connected to the server contained on the WampServer.

Keywords: IoT, Ultrasonic Sensor,WampServer, Wemos D1 Mini