ABSTRACT

Congestion due to the narrowing of the road because the wild parking affects the traffic movement of the vehicle that crosses the road, although it has been installed no sign of parking. In addition there is no monitoring for violators in place of prohibited parking, so that the authorities can not yet enforce sanctions directly to any violators so that there is no deterrent effect so felt by the violator. In general, if there is a breach done by an act of proof of infringement that is regulated in the law and not at any time, proof of infringement in the signage area is prohibited at parking.

Based on the problem it needs to be implemented System Monitor that can be done using ANPR system. ANPR is an image processing technique with digital imagery where the detected objects are vehicle license plates using optical character recognition, and are already used for Intelligent Transportation systems (ITSs) such as examples for Identification of car plates for parking and detecting speeding cars. This method is well implemented with wild parking problems that interfere with the flow of traffic.

In the ANPR process, you get the best conditions for taking pictures, process through to the *website*. The best shooting position is at a distance of 3 meters, angle of 60°, and 2 meter height using the edge detection method canny. While light conditions are obtained in the morning and afternoon with an accuracy of 75%. In this study also the license plate of the vehicle can detect well with the highest accuracy of 100%. In the process of sending data in the form of license plates and images, the data sent successfully enters the *website database* and identifies the vehicle license plate number with the identity, so that it can display the complete data of the violator.

Keywords: ANPR, Parking Offenders, Information Systems, IoT