ABSTRACT

Vehicle license plate is one of the feature that is different from one of another vehicles. Vehicle license plate is officially out from the police where the owner lives. More and more technoly develops, many more ideas appear. One of them is detection vehicle license plate automatically. The technology has been applied in other countries to pay the toll and identification of traffic infraction.

Detection vehicle license plate system take the picture with camera such as IP CCTV and using image processing to detect and recognize the characters. From taking picture with smart CCTV then processing the image with image processing to picture or other shapes. In this final project, using image processing method that is OCR to convert the image to text.

The proposed of this final project are to detect box/location of vehicles license plate with accuracy 83.33333333% and recognize the character from vehicle license plates that have been detected is 80% with all of characters are true.

Key words: Real time, Image Processing, Smart CCTV, OCR.