ABSTRACT

Detection of the position of a vehicle number plate is an effort to take advantage of technological developments. Many benefits can be obtained when detecting the position of a vehicle license plate. There are various kinds of algorithms that can be used for plate detection, namely based on texture, edge detection, histogram, morphological processing, and transformation. This thesis will detect vehicle number plate using the Probabilistic Hough Transform method for finding the lines of the plate, and bounding rectangle to extract the plate boundary lines. This research used 42 samples, with 32 data successfully detected, and 10 undetected images so that an accuracy of 76.2% was obtained.

Keywords: Vehicle number, Probabilistic Hough Transform (PHT), bounding rectangle