ABSTRACT

Garages are places where vehicles for both cars and motorcycles are stored to prevent theft and to protect vehicles from the weather, such as sunshine or rain and nighttime conditions to prevent vehicles from taking a backseat. When a vehicle is parked inside a garage will reduce the likelihood of escape from the crime that is prevalent in the neighborhood. There are so many other crimes stalking four-wheelers that are often parked outdoors. Because of that, it takes more security to keep the vehicle from losing and or theft. Automatic use of garages makes it easier for users to secure vehicles, but in developing this system there are still a number of problems that will likely be found when the system begins to be worked, such as system problems for detecting vehicles by the license plate. With this tool user can detect the license plate number using a camera to access into his home garage. This auto garage USES the image processing in connection with its configuration, so the processing use the image processing then the data will be in the process from an image to command to open the auto garage. But the results of this experiment have yet to come up with 100 accurate results, because there are many systems which are not fully designed.

Keywords: Image Processing, Garage, Camera, Raspberry Pi