

ABSTRACT

Currently, a motorcycle is the most popular transportation for the majority of the Indonesian population. Not only it is easy to pass through traffic congestion in the city but also, the motorcycle is easy to purchase by low-interest credit system which enable the majority of the population to use the motorcycle.

Standard on projects of the end of is used based safety system inside the building Face Recognition , of this safeguard in select because on securing the this requires autentifikasi in the form of the face of a person who have enrolled in a system of , for that reason it is make a person whose faces have not been registered in the system does not have access to of the vehicle .Based security now around the clock Face Recognition this will also be in dock with disallow module loading a database that are where means a sense of ownership an instrument can be accessed through a distance is to a large extent that every single time .It is that can be in addition to prevent such prediction from becoming but also could make a severe inroad theft australiano associated press the back of the motorcycle if it is undertaken about signs of compulsion by the thief of the rise in motorcycle safety .

Of the results of this testing process of matching the image of starting from a distance to come by in accordance with the distance yan set sampat out with the result is more or less 4 - 5 seconds. And from the results of face recognition testing using the template matching method by 20 people, the average result was 64% success. Testing Of the test results on the project the end of this instrument can do better to use a method of matching with matching. Template But it does not work always the same on a different person.

Key Word: Raspberry Pi, Face Recognition, Template Matching