# ABSTRACT

Nowadays traffic is an important component in a transport system , and vehicle traffic is very influential in the regularity and smoothness of the traffic . A big city though very influential with the smoothness of a system of traffic on the highway . Even congestion can cause a decrease in revenue of a company even though state. The highway is a developmental aspect in advance whether or not a country's economy . With the chaotic city roads protocol , it will affect the inhibition activity which became the backbone of the economy of a country.

In this final project an application designed to detect a vehicle in a highway based on image processing . How the application works is by counting all vehicles passing through a highway that has been mounted camera . The camera is integrated with a mobile phone -based application on android which will synchronized with Google Map.

This application provides information on the number of vehicles that through the roads using background subtraction algorithm and CVBlob. Resulting percentages in Beta testing reaching 86% at the level of user satisfaction.

Keywords : Handphone, Android, Image, Traffic,.