

ABSTRACT

Road lane detection is an important technology that built and developed in intelligent transportation systems. Intelligent transport systems, including autonomous vehicles, are predicted to reduce traffic costs and parking, accidents, pollution, and other impacts.

Lane departures becomes important in intelligent transportation systems, including autonomous vehicles. Under certain conditions, in addition to the driver responsible for the vehicle being driven, autonomous vehicle control can be done by navigating the path based on the marker passed and detected using the camera.

This research implements the Hough Transform method in order to detect road lane with minimum detection accuracy of 80% at night that processed in embedded systems in real time. So this research can support the development and development of tracking system path.

Keywords : *Road Lane Detection, Hough Transform, Night*