

ABSTRACT

In the world of telecommunication there have been many innovations that are very helpful of various forms of human needs, not only in the form of the real form that we need in telecommunication networks, it is very necessary to develop them. With the use of 4G networks (Fourth Generation) now it will be further develop with 5G based (Fifth Generation) by applying the M2M (Machine to Machine) theory. In the world of traffic there are still many accidents that occur between fellow vehicles and between vehicles and pedestrians, so the implemmentatios of the V2P (Vehicle to Pedestrian) system is expected to minimize the number of accidents between vehicle to pedestrians. This research will be carried out in the city of Bandung.

This research will be carried out a single type of road where it will be carried out on Braga Panjang street, Bandung, West Java. Whe thr road is often crowded by tourists to get around by vehicles or pedestrians. The implementation of this research is expected to be able to build the safety and convenience of pedestrian and vehicles on the road.

This research aims to reduce the value of accidents between vehicles and pedestrians by detecting within a predetermined radius if there is a pass. The selection of simulation software that will be used is to use Matlab by considering the various parameters measured including Reliability, Throughput, Latency and Delay

Keyword: Vehicle, Pedestrian, OBU, RSU, V2P