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

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