

ABSTRACT

Mobile Ad Hoc Network which is commonly known by the acronym MANET, is one of the telecommunication network technology based Mobile Network, MANET itself has developments therein called Vehicular Ad Hoc Network, commonly known by the acronym VANET created to handle the layout node of a changing position, so it does not have a clear network topology. The main idea of the concept of VANET is increasing the chances of safety, increase comfort and improve the smoothness of the traffic on the network that is dynamic and tend not to have a fixed network topology, and are subject to change time.

VANET in implementation using a routing protocol, to obtain routing protocols are quite efficient and appropriate to run the VANET is needed comparison routing protocol, to obtain routing protocols are better then this final project will analyze two routing protocols that FSR (Fisheye State Routing) which an integrated toolkit for analyzing and evaluating policies BGP configurations, ranging from high-level guidelines for specific tissue samples. FSR utilizes the latest advances in algebra and network routing and OLSR declarative reactive, will be tested by means of simulations using NS 2.34 and 2.31 and SUMO 0.12.3 with scenario change of pace, and the number of nodes in highway using comparative parameters such as average end to end delay, throughput, routing overhead and packet delivery ratio for all scenarios simulation

Keyword : VANET, OLSR, FSR, SUMO, urban, throughput, end to end delay,, Packet Delivery Ratio, , dan Routing Overhead.