Abstract

In the last ten years an ad hoc network technology developed rapidly, but most of researchers just focus in performance problems and battery durability. Recently, ad hoc network become more important for people for the next couple of years so many researchers research about performance ad hoc network especially in Vehicular Ad Hoc Network (VANET) workspace. The purpose of research to make a better connection between vehicle to vehicle so people can get easily get smany information in the street. So many problem space in this VANET research and one of them is about routing protocol's *efficiency*.

Keywords: **Ad Hoc Network, VANET, urban, highway, RSU, Proaktif routing protocol, Reaktif routing protocol , MDART, TORA, AODV , throughput, packet delivery ratio, routing overhead, normalized routing load, delay, NS-2**