ABSTRACT

Ad Hoc is a network consisting of several nodes that are where each node have mobile wireless interfaces to communicate with other nodes. Ad Hoc network is built for a particular purpose and also be temporary.

Monet Networks (Moving Network) is one example in the use Ad Hoc networks. MONET is a particular case when a group of nodes move together as a unit with respect to the ground network. MONET became a challenging problem to be investigated when a group of nodes move together to form a group mobility model .In this final project conducted simulations using Network Simulator v2 (NS-2) to assess the network performance of Monet (Moving Network) by using AODV (Ad Hoc on Demand Distance Vector Routing) routing protocol due to mobility and changes in the number and speed of nodes.

Research results show that the number of packets successfully received by recipients has decreased in line with the increase in the number and speed node. Research results also showed that the network performance experienced decline in quality in line with the addition of nodes and node mobility.

Keywords: Ad Hoc, MONET, AODV, NS-2