Abstract

Implementation of TCP congestion avoidance and congestion control in wireless network can trigger the degradation of network performance due to causes of packet loss caused by bit error rate is high and a second breakup, not because of network congestion as the cable network. By adding the snoop protocol at the base station, then the sender can be prevented to implement congestion avoidance and congestion control is not necessary that the network degradation can be avoided.

Snoop protocol performance testing done by comparing the throughput and end-to-end delay in networks that use the network without snoop and snoop. Based on the analysis of test results can be concluded that the TCP performance for TCP Cubic by using snoop is better than no snoop. Implementation snoop on TCP cubic has a better performance than the combination snoop-reno.

Key words : wireless, TCP, snoop, cubic, reno.