

## **ABSTRACT**

Network control system is a system that controls a data network. Network of control directly is a new technology that a lot of attention. One thing is true with the problem of network control system, that the time delay on the network will occur when the transformation takes place inside a continuous signal into a digital signal. This can degrade the performance of control systems are not designed to address these issues and will even destabilize the system.

At the final project, design an applications testing quality of public data network. The purpose of this application is monitoring the work of a network system with a view network quality parameters. The parameters are delay time, packet loss, and variations in delay time or jitter.

The results obtained at the end of this project is in the form of a monitoring application that is able to measure the quality parameters of the network delay, packet Loss, and jitter are point to point. This application is able to receive as much data as 1300 data with the long response time is 58 s.

**Keywords :** *application, monitoring, network quality parameters*