

## **ABSTRACT**

Video Streaming is a technology that allows the files to use / watch directly without the need to download the files. The main challenges in the use of streaming video is huge bandwidth requirements. In addition, another challenge is when the transmission is used for streaming video through a network Wireless-LAN (WLAN) which has some characteristics such as variable data rate and packet loss that also can affect the standard QoS (Quality of Service).

The focus of this final project is to measured network quality of P building, School of Electrical Engineering, Telkom University to determine whether the existing network capable of serving the live streaming video technolog or not.

Based on the measurements that have been done with some scenarios, this research got 1.321Mb for throughput which is according to TIPHON standards categorized as very low. The average packet loss is 19.6% which is classified as medium quality. The average value of delay is 0.046ms which is categorized as excellent, and jitter is 0.141ms, categorized as good.

**Keywords: Live streaming, wireless LAN, QoS, TIPHON**