

## **ABSTRACT**

Advances in information and communication technology in the modern era have turned the internet into a basic need in various sectors, including education. SMK Mega Bangsa, a vocational high school, uses the internet for teaching and learning activities. However, the wireless network in the teacher's room experienced problems such as slow access, sudden connection drops, and instability. This problem is allegedly caused by many users, physical barriers, and bandwidth configuration that is not optimal. To overcome this problem, this research uses the Quality of Service (QoS) method to measure network performance based on throughput, delay and packet loss. The results of the QoS analysis will be used for evaluation and recommendations for improving the quality of the wireless network at SMK Mega Bangsa.

Keywords: Analysis, Wireless Network, QoS, Wireshark.