Abstract

In today's development, technology is getting more sophisticated from year to year and the internet network is currently growing very rapidly. Therefore, the internet network used is as stable as possible so that users are satisfied with using it. When there are many internet network users in the room with several obstacles such as walls, the internet network will experience disturbances such as reduced internet speed. Based on these problems, it is necessary to test the internet network by analyzing the quality of the WLAN (Wireless Local Area Network) network using QoS (Quality of Service) measurements. The purpose of this study is to measure QoS on the internet network using the parameters of throughput, delay, jitter, and packet loss when the user is against the wall and also when the user is not obstructing the wall. The method used in this study is a quantitative method. This research uses Wireshark software to collect parameter data and Microsoft Excel to calculate delay and jitter. The results obtained are 1 out of 4 parameters are in the very good category and also bad, where the packet loss parameters are categorized as acceptable with results including 1%. Meanwhile, the throughput parameter is categorized as poor with a value of <25Mbit/sec. Then the delay parameter when viewed is in the very good category with the value obtained is <150 ms, and the last is the jitter parameter that can be seen with a value of around 0-75 ms.

Kata kunci: *WLAN, QoS, Wireshark.*