ABSTRACT

The use of Wi-Fi is used by almost everyone because it facilitates various activities. It is also used by the Telkom University Landmark Tower (TULT). The research will conduct an analysis using the Network Development Life cycle (NDLC) method. The time used to conduct research is morning and afternoon. Analyze the network with the help of software such as Ekahau, Wireshark and QoS standards. The results of the test values into very good categories based on TIPHON standards in the morning and afternoon. The benefit of conducting this research is to find out the quality of the network. From these several devices you will get data such as the existing signal, Signal Strength. From the discussion that uses the data will result in a design and proposal in the form of a replacement access point. This recommendation is to make the Telkom University Landmark Tower network more efficient and optimal as well as to minimize increased throughput, Packet Loss and Delay.

Kata kunci – Wi-Fi, Telkom University Landmark Tower, Network Development Life Cycle, Quality of Service