

ABSTRACT

Wireless Access Point or known as Access Point is hardware used in wireless local area network that is useful for sending or receiving data. In addition, the placement of the Access Point is also very influential on the signal transmitted to certain devices. To find out if the performance of the Access Point has been maximized or not, therefore an analysis is carried out using the inSSIDer software. The analysis is carried out using Quality of Service to get the quality of data services on the network which is measured using Wireshark Software. Wireshark is a network traffic recording software. This analysis is useful for scanning networks within range of a computer's Wi-Fi antenna, tracking signal strength over time, and determining security settings. This study focuses on the Access Point "ITTelkom_Jakarta" which aims to determine Coverage Area, Throughput, Delay and Packet Loss. So that every User is properly covered from the Access Point signal emitted on campus B IT Telkom Jakarta.

Keywords: Access Point, inSSIDer, Quality of Service, Wireshark