

ABSTRACT

The development of network technology continues to grow, one of which is to optimize the user movement. One of the technologies developed in the field of Wireless LAN (WLAN) is a Wireless LAN Mesh Network, which is one part of the Wireless Mesh Network (WMN). In the WMN has certain advantages, such as self-configured. In addition WMN also known as self-healing properties of the network allows to perform rerouting or other business to keep its network remains reliable. It is expected to make this WMN has more advantages such as robustness, reliability and better service coverage.

In this study focuses on the implementation of web-based video conferencing in wireless mesh network using the protocol. WMN type of infrastructure provides the best throughput with problems in the wiring, while the type of hybrid WMN provides ease of implementation and greater reliability compared to WMN type of infrastructure with a smaller throughput.

From the experimental results obtained, the quality of web-based video conferencing pretty well. It can be seen with the delay that occurred was in a category that allowed for video conference (due to the resulting delay is below 150 ms), and a small jitter (<30 ms), so that the web-based video conferencing can be applied to wireless mesh networks .

Keywords: WMN, OLSR, Video Conference, mesh