

Abstract

Technological Requirement of Multimedia Over IP at the moment is progressively mount. It marked with the appearances of some application of multimedia over IP. Voip is one of an application of multimedia over IP. With the existence of Voip technology, we can do the voice communications on network IP with the cheap expense. It is a common to use of Network of Wireless LAN (WLAN) as Voip media access. In the beginning, Wireless LAN is designed for the data communications. Voice communications are tried to be developed on data network. The nature of voice information in which have to in a real time and reliable is become a special question for wireless network data network.

Jatinangor On Internet (JOINT) is a product from CV GLOBAL INDOTELEKOMUNIKA that is an access provider company access that using Wireless LAN for the access media. This company is located in Jatinangor that most of the consumers are the student abroad which is lived in temporary home. With the existence of Voip technology, hopefully we could make the communication to each place more easier, so that every consumer have the telephone number which can be contacted

At this final project, I design the Voip server and also designing the extents number to be used. As well as trying to analyze the quality factor of the voice on wireless network by paying attention to the voice signal to distortion. And also delay factor, packet loss, jitter, and throughput which are the analyzed parameters. result of examination of quality factor of voice still in range which is in standart by ITU. so that quality VOIP which is competent appreciable implementation to be applied

Keyword : VoIP, WLAN, SIP