

ABSTRACT

Nowadays, the advantage of data communication network keeps on growing rapidly. Not only be seen from the device side, but also from the application and transmission system used. IT Telkom as one of telecommunication technology based campuses attempts to take benefits from available devices and network to improve its education quality and to make easier for the students in accessing information as well as given lecture materials.

One way to make easier for the students in accessing that information is Distance-Learning. Distance-Learning is the application that allows user, in this case the students, to get the lesson materials by long distance. The application of Distance-Learning also allows user to make the activity of learning by teaching by long distance using video conference that is growth on the application.

In this experiment there will be an implementation of Distance-Learning using H.323 protocol on wireless ADSL network. The existence of this application is expected to be able to support online lecture, online meeting, and other online activities.

In this final project, this application needs network performance analysis and examination (delay, jitter, throughput, and packet loss) as a consideration for implementation feasibility.

Key words : Distance-Learning, H.323 protocol, and wireless ADSL