ABSTRACT

This Final Project contains the installation of a webserver that allows the implementation of distance lectures which are expected to become one of the lecture media and practicum as well as face-to-face in class and physical laboratories.

The openmeetings conference system is used as a service provider for voice and image transmission between users that runs on red5 service, an open source software that provides flash streaming services. The system interface with the user is set and run on top of the Apache service.

Quality of Services testing and analysis is carried out as an indicator of the extent to which the system created in this final project can work as intended goals. During the testing process, features owned by OpenMeetings such as video and voice conferencing, chatboxes, virtual whiteboard, and file sharing work well and can be utilized for the learning process during testing. Class sharing system in this software can also run well. Users can only enter classrooms that are taught to lecturers, and classrooms that are attended by students, as well as public lecture classrooms that can be entered by all system visitors. The results of this test conclude that the openmeetings conference system can meet the functional needs of a virtual classroom so that it can function as an integrated learning media.

Keywords: ***OpenMeetings, Video Conference, Quality Of Services.***