

ABSTRACT

Computer network is a discipline that is fundamentals to learn at this time, because many applications are applied and used in daily life. To learn the concept and theory of computer network, there are many media that can be done in a self-taught or with the help of lecturer.

Media, to understand material of the study, is one of the important factors in the learning process. At this time, in line with developments in information technology, the media is not only a simple static impressed but can also be made into an application that is communicative, interactive and dynamic appearance.

Adobe Flash, which was originally used to facilitate the making of the animated web, can be used to build applications that can integrate variety of media (multimedia). In this final task; application of learning which is containing material explanation of the study, testing knowledge, simulation of network performance calculation, and network simulator section; is implemented. With the application of learning which is Adobe Flash-based is expected to help learners understand the theory and the concept of Network Computers in general.

Keyword: Computer Networks, media of learning, multimedia, Adobe Flash