ABSTRACT

Telecommunication networks were made to provide information exchange features between users that desire the information when they need it. In the process of information exchanges, there is a movement of the information from sender to receiver. The movement of information from one place to another place in the telecommunication network is called telecommunication traffic (teletraffic).

This final project is created for visualization methode about Teletraffic, especially for the process of calling services. This project consist of the uneconomical telecomunication networks when providing switching and transmission network facilities (this is the development overview of traffic engineer), traffic flow, traffic variations, traffic quantity and traffic unit, busy hour, loss system, delayed system, overflow system, Grade of Service and Probability of Blocking, traffic models, ASR (Answer Seizure Ratio), SCH (Seizure per Circuit per Hour), MHTS (Mean Holding Time per Seizure), SCR (Successful Call Ratio), OCC (Occupancy).

Softsware tools that have been used in this visualization development is Macromedia Flash MX 2004.

From Quisionare results (Opinions from respondent and pre-test), 90% of them said that they had got the increase of knowledge about Traffic Engineering, 82% said that the topics in the Teaching Pheriperal is represent enough of Traffic Engineering topics and 67% said that the topics of this Teaching Pheriperal can be understood. So, we can conclude that this Teaching Pheriperal can help people to know about Traffic Engineering Teories easily.