

ABSTRACT

Data is the most important thing in the IT world. Because without data we will not know the previous information and data should not be lost. Therefore, it is necessary to have a data backup process on the server computer so that if data is damaged, it can be saved. Therefore, the authors a solution, namely using the FTP protocol as and upload download from the server computer to the client computer as a process of data backup. And also in uploading and downloading requires good life transfer quality. Therefore, the author also analyzes the transfer of data files in order to improve the quality according to appropriate mechanism for the IP network. Then an analysis of the Quality of Service parameters will be carried out such as throughput, transfer time, and delay. QoS is a mechanism that allow computer networks services to operate according to mechanism, especially in IP networks. By doing the upload and download design using the FTP protocol and doing network analysis using the QoS mechanism. Therefore, the research is expected to improve the quality of data file transfers and solving solutions for data backup.

KEYWORDS : *backup data, FTP, QoS*