Abstract

Scheduling is an important concept in a network. Scheduling method is closely related to queuing algorithm is used. Bandwidth limitations that exist on the network, causing the importance of a good queue algorithm for maximizing the QoS

In this Final Project, which raised the algorithm is the highest urgency first (HUF) and the deficit fair priority queuing (DFPQ). DFPQ algorithm based on the concept of priority will be compared with HUF algorithms based on the concept U_factor. Objectives to be achieved is to compare the QoS of both the algorithm.

Metric measurements using the parameters of the algorithm time complexity and the total processing time. The measurement results show that the algorithm DFPQ simulation proved superior in terms of time complexity of algorithms and the total processing time.

Keywords: HUF Algorithm, DFPQ Algorithm