ABSTRACT

Satria Luqman Taufan, M. Ficky Duskarnaen, M.Sc dan Hamidillah Ajie, S.Si,MT. *Design and Implementation of Bandwidth Management and User Manager at Hotspot Network Department of Computer and Network in SMK Negeri 26 Jakarta*

Bandwidth usage on a Department of Computer and Network's network is often not optimally utilized. This is caused by one or more client spend in the bandwidth capacity of the network to download and upload, streaming video, access applications so that another internet access users becomes blocked. For that bandwidth management required to manage each passing data. The purpose of this study is to optimize the bandwidth management at Department of Computer and Network in SMK Negeri 26 Jakarta using a simple queue method. The study was conducted from data collection, instantly review the location of the room, interview, and configure the proxy. The result of the research is the optimal management of available bandwidth and maximum number of devices that can be used by users on the network.

Keywords: Hotspot*, Management Bandwidth, Simple Queue*, OS Router Board