ABSTRACT

DESIGN AND IMPLEMENTATION OF BANDWIDTH MANAGEMENT SYSTEMS IN UD. GLOBAL SUKSES MANDIRI

Julianto
1631016

In the modern era, as now, the technology is growing and sophisticated internet has become a necessity needed to run the company’s operations, but excessive use does not increase besides being able to make addiction can also reduce decreased employee productivity. In this practical work the author designed a bandwidth management system that can regulate excessive internet usage which causes the internet to slow down and reduce employee performance. By using a microtic router the author limits the speed of internet access for each user by applying a simple queue method, the author also blocks user access to sites that are prohibited by companies using the layer 7 protocol contained in the proxy feature. After designing and implementing it on ud.global suskes mandiri, the independent internet network in the company has become faster than before, and employees have also become more focused on their work because access to sites commonly used for social media has been blocked.

Keywords: Bandwidth management, Layer7 protocol, Microtic Router