

ABSTRACT

District Internet Service Center is a program of the government that is run by DEPKOMINFO to establish an internet service in each district. In its implementation there are obstacles that the number of users with different activities so that the bandwidth provided insufficient, this problem could be solved using Mikrotik bandwidth management functions, as well as a Transparent Proxy, bandwidth management will be undertaken will be split based on the activity of 3 categories: Gaming , browsing, streaming and downloading. Proxy will use the cache function that serves to store temporary files, and also a proxy in the function to be a filter to the browser that is safe for the user in because can not open the site that has negative content.

Keywords: District Internet Service Center, Bandwdith Management, Transparent Proxy, Mikrotik, Squid.