

ABSTRACT

The development of information technology is growing easier for people to access the internet. Internet becomes a community needs, so a lot of transportation provide free internet facility to attract public attention. Adding internet facilities in transportation spending considerable cost to use, it takes a server that maintain network security and regulate the use of the internet. However this makes the constraint having to add servers to the transport, and also the costs to obtain a server was not small.

To meet these needs, then the final project is built mini proxy server-based security using the Raspberry Pi is portable. Raspberry Pi has smaller dimensions than a laptop then it makes Raspberry Pi as a server that is portable and cheaper. Raspberry Pi function as a server for security information and organize data on the network bandwidth management, caching, web filtering for Internet access by the user, with the way the costs incurred by the company can be minimized and users of Internet services can be organized.

Keywords: Proxy Server, system monitor, Modem (GSM), Raspberry Pi