

ABSTRACT

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SETTING UP OF THE SERVER RADIUS SYSTEM OF PEMBANGUNAN JAYA UNIVERSITY

Radius server is one type of server that can be used in hotspots to secure hotspots because it supports different types of encryption. In this project, the optimization of hotspot network bandwidth settings is optimized by integrating RADIUS servers with RouterOS where bandwidth settings use RADIUS to limit internet-connected users from piling up on the server because it can cause slow and unstable internet. Hotspot is one form of utilizing Wireless LAN technology that can be used to access internet services and is usually found in public areas such as libraries, campus internet, or offices. The aspect that needs to be considered in hotspots to make users feel comfortable is security then on the provider side, aspects that need to be considered are the arrangement of bandwidth allocation to optimize the speed of data transfer that is network and to prevent the possibility of dense network traffic. RADIUS server has supported multi-user and multi-roaming, the results achieved after using the radius system i.e. the internet in the village is more stable and optimal, because users who can access limited internet do not accumulate.

Keywords: RouterOS, RADIUS, hotspot.