

ABSTRACT

Nowadays, the internet has become a primary need for many people. We are accustomed to accessing the internet anywhere, both indoors and outdoors. However, a common issue encountered is the management of internal networks (LAN), especially in businesses operating in the economic sector such as cafés, restaurants, and other establishments that provide internet services. Typically, when a customer makes a purchase, they are granted internet access without clear time management or usage limitations. This can be disadvantageous to business owners, as customers may enjoy internet services at minimal cost. This is where Netpro plays a crucial role. Netpro Mikrotik-based serves as a solution by managing the LAN network clearly and systematically, allowing customers to access the internet in accordance with their purchase. This system also creates a fair network environment that aligns with the amount spent by each customer. The results of this project demonstrate that network management can be effectively carried out, including real-time network monitoring. The entire system was successfully implemented, including VPN integration, which enables the retrieval of essential MikroTik components via API to support the dashboard's functionality efficiently.

Keywords: Mikrotik, LAN, Internet, Netpro, VPN