ABSTRACT

NETWORK DEVELOPMENT VIRTUAL PRIVATE NETWORK (VPN) AT PT BANDUNG ARTA MAS

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This thesis study on the problem of network system at PT Bandung Arta Mas some having such problems, problems of delivery of information / data to the central office still needs a long time, information delivery errors still occur, and the security of data is less reliable.

With the existing problems will be used as a VPN network solutions for complete.VPN is a private network with access to the means of public communication networks (in this case the Internet) by using tunneling protocol and security procedures. The model used in the construction of a VPN network at PT Bandung Arta Mas is remote accsess and use technology Point-to-Point Tunneling Protocol (PPTP). PPTP is a new network technology that supports Multiprotocol VPN, which allows users to access corporate networks more safely through the internet.

VPN network development process has several procedures that must be fulfilled. At PT Bandung Arta Mas using mikrotik router OS to the VPN server and use a static public IP 512 kbps downstream and 128 kbps upstream.

Given that in the wake VPN network, the reach of the company's local network will be wide, so companies can share data to headquarters. VPN gives you easy access to data, applications programs, the existing intranet mail at PT Bandung Arta Mas from anywhere because the VPN is connected to the internet, so that mobile employees can access corporate intranet wherever he is.

Keywords: VPN, Remote Accsess, PPTP, Mikrotik, Internet