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ABSTRACT

THE DESIGN OF THE INTERNET NETWORK AT SUKANANTI VILLAGE OFFICE USING MIKROTIK AND 4G SIGNAL BOOSTERS

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MikroTik is a piece of hardware for networks that is equipped with a MikroTik Operating System (Mikrotik OS). In this research, microtics are used to set up the network. The signal amplifier in the research uses a yagi antenna which aims to increase signal reception, this is because the signal is currently being received at Sukananti Kecil village office. The modem uses a GSM modem. The network system after using MikroTik becomes a hotspot system, where each employee will have their own account. And besides that, microtics are also used to carry out network management. With the use of this system, currently the network at Sukananti Village Office is getting better. From previously the signal reception was only -110 Dbm, now the network signal at Sukananti Village office is better than before, it can be used for village office equipment in its work with a maximum speed of +/- 24 Mbps at a height of 15 meters.

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