

# ABSTRAK

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The development of increasingly sophisticated technology so that the need for information in the form of data, voice, and video is increasing. This data needs to be realized by the presence of a network with high-speed access. And with the development of fiber optic media now supports data transmission speed in a network. A reliable network can support various multimedia services with large bandwidth that can improve the performance of a Business Office, agency or institution.

PT. CORE is a State-Owned Enterprises (SOEs) which are Under the Telecommunications Strategic Industries Management (BPIS) which is engaged in telecommunications equipment. PT. INTI (Persero) is a stand-alone entity with the status of the company that transformed the company from activities with the telecommunications company.

In the PT INTI, rather artifacts headquarters building 10 floors. Of the entire headquarters building, there are 300 users. And perantai about 40 s / d 60 users. Some data services need to be in receipt of each user in the form of the headquarters building: IPTV, Internet, Telephone, and CCTV

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