

ABSTRACT

The increasing of information necessities that we feel today is supported by telecommunication technology advance. Various multimedia application can be used for many aspects of e-education, e-medical, e-trade, e-banking, and video on demand. Real time and reliable telecommunication device are needed to support those multimedia applications. That requirement are answered through coaxial network.

The core of coaxial network design is resulting network that able to transmit high quality signal to every subscriber devices. Every design steps needs some calculations to define the sort, value, and placement of network devices so that fulfill the transmission parameters.

This final project is about to design CATV network in Panghegar Hotel, Bandung. CATV network are later on is used as an infrastruktur that able to support TV, internet, and multimedia services in Panghegar Hotel.

Design is done by using manual calculation and cabletools software. Coaxial network design is done in forward and reverse direction and has reached minimum final tap level, therefore coaxial network with cable TV and internet services in Panghegar Hotel can be delivered.

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