

## ABSTRACT

Technology is growing now, have great influence to other departments. One of departments is hotel, cause for competing with others hotel. It must have quality of service is more than others, with giving multimedia service.

Multimedia service carries data communication service, voice, and video with two purpose to have the character real time. One of them is CATV technology. It uses Hybrid Fiber Coax (HFC) network. Optical network is used as main line (backbone) and coaxial is used to customer network (feeder). For network with smaller scope and fewer customer can be used CATV network with pure coaxial only.

This riset analyse about performane from CATV service in Telkomvision especially fiber optic network used as backbone and disturbances occurances. So, Telkomvision can increase the quality of service of CATV by increasing performance of the instrument.

This riset will performed conception of data at field as mesuring in fiber optic instrument as Head end, fiber optic network and Fiber Node. And parameters measured each from instrument are input dan output power. From optical network will be measured Power Link budget and Rise Time Budget. And for performance of CATV service will be analyzed CSO, CTB and CNR.

**Keyword** : Power Link Bugdet, Rise Time Budget CSO, CTB dan CNR