

ABSTRACT

Television has become a real important part of modern human life. Supported by growing entertainment and information which so quickly, causing makes many businessmen is area broadcasting to race presents program event of in the form of pay TV by using technology of TV satellite or usually is recognized as DTH (Direct To Home) that is broadcast TV through satellite and earns direct to TV (through antenna).

In this final project compares system applied by TelkomVision (pre Upgrade and post Upgrade). All broadcasts from content provider caught by antenna. then processed by the peripheral in headend digital. The differences between both systems is existence of new peripheral like ADA, VDA, Logo Inserter, Encoder and also multipleksing process that in by it happened compressing process of bitrate channel.

This final project applies research methodologies in the form of literature study with reference from books, diktat or from internet with solution matter as the base theory from TV satellite DTH system And then compares output from system which DTH applied by TelkomVision.

This analysis end result is new system of DTH TelkomVision able to optimal of usage of bandwidth in one transponders with quality of picture equal to stripper system (before upgrading).

Key Word : TV satellite, Transponder, Headend, MPEG-2.