

## ABSTRACT

*Video Technology represent the important technology in this time. As one of media communication besides text, image and audio, video present the information that collected by information from other media. Besides to communicate, the video technology also has been exploited for the service of other, like monitoring, security, entertainment , etc.*

*Various service which technological that offered by CATV can be provided with Service like the application of Video Conference. Video Conference is application in the form of media to Client interface which can deliver the message multimedia in the form of Video and Audio that can be through of Local Area Network base on the Internetworking Protocol (IP). Beside that client also can see the analogous good telecast and also streaming moment while doing the Teleconference or Chatting moment at the same time.*

*This final project will be executed a scheme an application of Video processor which is relying on consumer desire ( end user) where content from this application for example acceptance of Live TV Broadcast analogously and by Streaming ( TV Streaming) that is attributed to server streaming, by using internal TV Tuner as first input device getting analogous input TV Signal from CATV Network at IT Telkom in this application and can be combined with the Video Chatting or Communications of Audio Video by Webcam as second Input Device, that is which later as communications media among different user, so that content from this application is felt more useful and applicable to various need of communications Video-Audio having the character of unidirectional ( Broadcast / Simplex) and Two direction ( Full Duplex).*

*As for result from making of Application of Live Video Conference over IP which still be humble later, this is can be used and exploited by each of every circle of students at IT Telkom of generally and assistant also member of Study Group of CATV Laboratory especially as supporter medium, controller and development of service of TV broadcast from CATV Network which there have ( Existing) while there is Laboratory activity and Institution can be through of communications media of Video and Audio according to Full Duplex.*

**Keywords :** *Video Conference, Live TV Broadcast, TV Streaming, CATV Network*