

ABSTRAC

CDMA 2000 1xEV-DO, representing one of system of Third Generation (3G) that have been in Indonesia, by offering excess of data service which quickly, system CDMA 2000 1xEV-DO enabling to deliver service of mobile internet that is real-time streaming video. This service require reliability of the system since working in traffik which include of voice, web-browsing and streaming video,

Telkom Flexi which have applied technology CDMA 2000 1X still focussed in voice service, but appearance of trend video streaming service make telkom improve it's network system become CDMA 1xEV-DO for anticipation. This New system enable all subscriber to access video camera in real time to get information that is needed. In planning application of video streaming there is an recommendation which release by institute of The Third Generation Partnership Project 2 (3GPP2), this standards represent how to determining Bitrate, Transfer Delay, streaming protocol, video codec, audio codec and others

To increase service of telkom flexi in this research, I am analysed and planned application service of efficient and optimal video streaming according to planning flowchart. So that be got alocation canal each BTS for demand client during 5 year equal to 834 client and analyse server PDSN with enhanced traffic of video streaming during month of juli 2005 with mean of succesful ratio 91,08 %, Packet Rate (?) 25,15 packet/s, and service rate (μ) 34,11 packet/s so that earn perceived of stability and utilisasi work of PDSN server.