

## **ABSTRACT**

One of factors which support sum operators interest in CDMA is development of CDMA2000 1x EV-DO technology which has data rate up to 2Mbps. This is will support growth of CDMA marketing today and success key for operators. In addition, cost for network development is low. CDMA2000 1x Ev-DO more quickly (up to 2.4Mbps) than others technology CDMA2000 1X (308Kbps), WCDMA (384 Kbps), dan GSM/GPRS (108 Kbps).

The paper analyze performance of Accelerator in CDMA2000 1x EV-DO technology. Accelerator using VTP (Venturi Transport Protocol). Before VTP appear, we use TCP (Transmission Control Protocol) connect to Internet and use UDP (User Datagram Protokol) connect to VoIP. TCP have characterize connection oriented or handshake, that mean sending data, waiting Ack/Nack signal. Ack./Nack. signal determine next data will sent or resend.

VTP (Venturi Transport Protocol) has destination to improve performance of TCP which not optimal in using radio bandwidth, where Accelerator server is located in Packet Data Serving Node (PDSN). From Accelerator server to Web Server using TCP, but from PDSN to Bobilephone/datacard using VTP. Method of research which doing in this paper is collecting the data from VTP simulation on Mobile 8.