

ABSTRACT

ATM (Automatic Teller Machine) at this time is a basic needed almost every individual who want to perform financial transactions. With ATM transactions will become easier and faster. Because of that, The Banks or ATM provider is demanded to make this facilities effectively and efficiently.

ATM over GPRS allows The Banks or ATM provider using GPRS network for connection of ATM machine to host server ATM that replace existing connection using VSAT or Leased-Line. With this ATM over GPRS, the ATM installation and operational will be easier than previous connection.

In this Final Assignment has been designed of the GPRS network to support ATM services. The result from this Final Project is ATMs that can connect by GPRS network to ATM server. From 54 ATM that had been designed, there are 47 ATM that successful to be designed. This 47 ATM spread in a PT. Telkomsel Jakarta operational area, 11 in Jakarta Pusat, 3 in Jakarta Barat, 6 in Jakarta Utara, 11 in Jakarta Timur, 8 in Jakarta Selatan and 8 in Bekasi, Tangerang, and Bogor. Also, this final project doing some simulation to test the result from the design, and the simulation from the 47 ATM above is success.

Key Words: GPR ATM, GPRS, ATM over GPRS