

## ABSTRACT

Technology development nowadays grow rapidly and make all the work became more easy. For example, in (*Base Transceiver Station*) security equipment, because in BTS there is many important equipment. There more important equipment equipped in BTS, the higher security system required. A good network should have a separate system that can monitor the condition of network devices. In view of the fact that, if there is a problem occurs on a base stations equipment, then the technician will came to fix it.

This day, many development in security system that can provide security information from the location of the installation of the system. From previous research, has made BTS security system using IC microcontroller and SMS (Short Message Service) Gateway with additional components of PIR Sensor (Passive Infrared Receiver), and Webcam. But from previous system could not storing data that has been sent with SMS gateway. So on the previous project did not have permanent database for storage, the information that only received only short message.

This project made a information system from BTS security with IC microcontroller and SMS Gateway from previus PA. in this Information System is done processing of SMS data information system that was created in previous PA. Then stored and processed on the server SMS gateway. Daya on SMS Gateway server stored in MySQL database and displayed through the webserver. That way the admin can make it easier to monitor security on BTS and can see reports on an ongoing basis

Keyword: *SMS gateway, Mikrokontroler, BTS, SMS, MySQL, webserver.*