

ABSTRACT

Needs telemonitoring or remote monitoring system has become a symbol of the development of civilization in the field of control technology world . Realtime monitoring devices have become standard operating procedure in the industry engaged in the field of technology especially in the field of telecommunications technology . Many telecommunication devices must be periodically monitored both from the physical and environmental devices. For that we need to develop a monitoring system instrumentation devices .

Temperature and humidity BTS Shelter is an essential component to always monitored . Reporting systems to field technicians from the existing monitoring results are still using manual communication . Thus, this study attempted to build a shelter environment telemonitoring system BTS includes temperature and humidity conditions in the shelter of BTS . On implementation , the system is not only used to measure environmental conditions BTS , but also can be used to measure environmental conditions mapun BSC MSC . To see the results of the monitoring application is provided based *website* that completed with graphs of data and digital maps that provide location information BTS . In addition , the SMS feature available to provide information on the disturbance occurred at a mobile phone base stations directly to a technician who is responsible for addressing harassment on the location of BTS Shelter works .

The system performs temperature and humidity data transmission from the BTS shelter periodically every 15 minutes . The results of the sensor readings are displayed on the website , this system has a fairly high degree of accuracy the measurement results manually in the shelter . This can be shown by direct measurement of the value of the deviation between the sensor readings and the average - average in the amount of 0.01 degrees Celsius . To submit monitoring reports to the technician , it takes 10 seconds . So reporting the results of monitoring more effective than it already is.

Keywords : Website monitoring, temperature, BTS Shelter, Sensor