

ABSTRAK

RIKI YAKUP ANALISA HASIL PENGUKURAN KUAT SINYAL PADA ALAT *REPEATER* SINYAL DI GEDUNG B JURUSAN TEKNIK MESIN UNIVERSITAS NEGERI JAKARTA. Pembimbing TRI BAMBANG dan EKO ARIF SYAEFUDIN.

So the quality of a signal can be in good shape again in a thick -walled space as offices and factories that need the help of a tool that helps to Strengthen a signal . The tool is called a repeater signal. In general repeater work strengthens back a signal from the receiver side and transmitted back after experiencing amplification.

GSM network quality monitoring system can present the quality of a network of GSM network operator . The system will assist operators in maintaining the quality of the network. This research provides solutions to the availability of monitoring devices complete GSM network quality and economical , so that , in this study received signal quality will be measured and the evaluation based on the parameters of the signal strength. Place the measurement target is building B UNJ engineering .

This measurement is done by integrating the G - NetTrack software on mobile phones with android operating system. The results obtained showed that the size of -70 dBm signal strength . Based on the standard mold , this result shows that the signal strength is the strongest signal received in the category of good

Keywords: repeater , signal strength (rxlevel) , G - NetTrack