ABSTRACT

One of the pattern management telecommunication network in order to measure systems performance is traffic analysis. This is to find correct solutions to identify and solve failured call problems in set up process.

The high rate of failed call and uneffisient using cicuit need some analysis and evaluation properly and continuesly, to get right steps in management network and to maintain Answer Seizure Ratio (ASR) as an indicator in telecommunication service ability.

In EWSD-113 Sock 9.1 DE 5 exchange of Tasikmalaya, the occupancy parameter is low. It need to have forecasting traffic and analysis to know how many circuit is needed that suitable with available of traffic load.

Using of regresi linier methode can be known available trend traffic now, so it can be predicted the needs of circuit ideally to maintain circuit using efficiently (Occupancy Circuit) and needs of circuit for next time.

From analysis result on cicuit dimension, efficiency rate on circuit using is about 73,47 %, while from circuit dimension this time, efficiency rate on circuit using is only 25,74 %.