ABSTRACT

The increase in the number of users of the operator x resulted in a decrease in the performance of the network. In Tomang, West Jakarta area decreased these network performance often occurs due to several factors, including: where a region does not get a signal (blank spot), a troubled shelter and limited capacity due to the large number of users

On the above issues have been conducted to find out the condition of drivetest network performance on the operator x in Tomang, West Jakarta area. The results obtained can be viewed via software TEMS to know the problems that plagued the KPI (Key Performance Indicator). A problem that occurs on the end of the Project there is overshooting so that the recommendations made is tilting antenna, through the software results from the atoll's recommendations can be seen well or not.

From the results of the recommendation with software atoll, in the get increase simulation result of Ec/No on area Tomang, West Jakarta, namely for: 4,426% when 0 dB >-9 dB,-4.1877% value-9 dB,-12 dB > 0.2413% valued at-12 dB >-16 dB, 0% value-16 dB >-30 dB.

Keywords: drivetest, KPI, RSCP, Ec / No, Atoll