ABSTRACT

Advances in science and technology, one of which is shown in the field of communication, is a characteristic of the rapid development of the times from time to time. Guaranteeing the quality of the LTE network can be done by measuring using the drive test method. The problem that was found and experienced during this field work practice was a call failure caused by several factors such as cross feeders, customer locations that were outside the reach of BTS and congested networks. Optimizing the network periodically is a solution that is carried out to overcome the above problems so as to reduce the decrease in network quality. The method used in optimizing networks that experience cross feeders is to carry out a drive test using the SSV (Single Site Verification) method. The (SSV) Single site verification method is carried out on a site that is newly on air with a closer coverage area to check functionality such as voice calls, video calls and downloads. The software used when carrying out the drive test is NEMO & TEMS. The equipment used is a laptop, mobile phone, data cable, Global Positioning System (GPS). Optimization of the cross feeder carried out in this field work practice was carried out at the Matraman Jatinegaga site. The purpose of this report is to provide real-world work experience and increase expertise from a wider scope of knowledge and skills.

Keywords:Drive Test, Cross Feeder, NEMO & TEMS