

## ABSTRACT

In the world of telecommunications more specifically on cellular services, operators in providing services, guarantee a good standard of service quality. In an area the customer will certainly use cellular services that are well accessible in the region. Therefore, good service quality greatly determines the number of customers who use cellular services. To guarantee customers with good cellular services, operators need to always verify devices that emit signals and ensure the stability of their services. In this case, to find out the condition of cellular services that exist in an area, a study is needed to determine the condition of the service in real time or what is called a Drive Test. The Drive Test itself is done by using a car vehicle because it measures services that are not only used when stopping but are also used when having mobility or movement. In drive test activities, several parameters are used to measure network quality, including signal strength, interference ratio, throughput and others. Single Site Verification itself is one of the methods used for drive tests by verifying a site with one operator. To carry out the drive test, three things are needed, namely device preparation, device settings and device implementation. For the 4G LTE test drive there are 4 scenarios that are done, namely ping, FTP Downlink, FTP Uplink and Voice (CSFB).

Keywords : seluler service, drive test, interference ratio, signal strength, throughput.