DAFTAR ISI

ABSTRAK ..... Error! Bookmark not defined.
ABSTRACT ..... Error! Bookmark not defined.
KATA PENGANTAR ..... Error! Bookmark not defined.
DAFTAR ISI ..... **i**
DAFTAR TABEL ..... Error! Bookmark not defined.
DAFTAR GAMBAR ..... Error! Bookmark not defined.
DAFTAR SINGKATAN ..... Error! Bookmark not defined.
DAFTAR ISTILAH ..... Error! Bookmark not defined.
BAB I PENDAHULUAN ..... Error! Bookmark not defined.
1.1 Latar Belakang ..... Error! Bookmark not defined.
1.2 Rumusan Masalah ..... Error! Bookmark not defined.
1.3 Batasan Masalah ..... Error! Bookmark not defined.
1.4 Tujuan Penelitian ..... Error! Bookmark not defined.
1.5 Manfaat Penelitian ..... Error! Bookmark not defined.
1.6 Metodologi Penelitian ..... Error! Bookmark not defined.
1.7 Sistematika Penelitian ..... Error! Bookmark not defined.
BAB II LANDASAN TEORI ..... Error! Bookmark not defined.
2.1 Jaringan Seluler ..... Error! Bookmark not defined.
2.1.1 Generasi 4G ..... Error! Bookmark not defined.
2.1.2 Arsitektur 4G ..... Error! Bookmark not defined.
2.2 *Link Budget* ..... Error! Bookmark not defined.
2.2.1 EIRP (*Effective Isotropic Radiated Power)* ..... Error! Bookmark not defined.
2.2.2* FSL (*Free Space Loss) ..... Error! Bookmark not defined.
2.2.3 RSL (*Receive Signal Level*) ..... Error! Bookmark not defined.
2.3 Parameter Performasi 4G LTE ..... Error! Bookmark not defined.
2.3.1 RSRP (*Received Signal Reference Power*) ..... Error! Bookmark not defined.
2.3.2 RSRQ (*Reference Signal Received Quality*) ..... Error! Bookmark not defined.
2.3.3 SINR (*Signal Interference Noise to Ratio*) ..... Error! Bookmark not defined.
2.3.4 PCI (*Physical Cel Identity*) ..... Error! Bookmark not defined.
2.4 QoS (*Quality of Service*) ..... Error! Bookmark not defined.
2.4.1 Troughput ..... Error! Bookmark not defined.
2.4.2 *Delay* (*Latency*) ..... Error! Bookmark not defined.
2.4.3 Jitter ..... Error! Bookmark not defined.
2.4.4 *Packet Loss* ..... Error! Bookmark not defined.
2.5 *Drive Test* ..... Error! Bookmark not defined.
2.5.1 Tujuan *Drive Test* ..... Error! Bookmark not defined.
2.5.2 Metode Pengambilan Data *Drive Test* ..... Error! Bookmark not defined.
2.5.3 *Major Quality of Service* (QoS) KPI Pada LTE .. Error! Bookmark not defined.

2.6 Sistem *Duplexing* ..... Error! Bookmark not defined.
2.7 Definisi *Non Busy Hour* (NBH) dan *Busy Hour* (BH) Error! Bookmark not defined.
BAB III METODOLOGI PENELITIAN ..... Error! Bookmark not defined.
3.1 Diagram Alir Penelitian ..... Error! Bookmark not defined.
3.2 Penentuan Lokasi ..... Error! Bookmark not defined.
3.3 Standar Perfomasi Jaringan ..... Error! Bookmark not defined.
3.4 Alat dan Bahan Penelitian ..... Error! Bookmark not defined.
3.5 *Traffic Non Busy Hour* (NBH) dan *Busy Hour* (BH) . Error! Bookmark not defined.
3.6 Pengujian *Drive Test* ..... Error! Bookmark not defined.
3.6.1 *Drive Test Non Busy Hour* (NBH) ..... Error! Bookmark not defined.
3.6.2 Hasil Pengujian *Drive Test Non Busy Hour* (NBH) Error! Bookmark not defined.
3.6.3 *Drive Test Busy Hour* (BH) ..... Error! Bookmark not defined.
3.6.4 Hasil Pengujian *Drive Test Busy Hour* (BH) ..... Error! Bookmark not defined.
3.7 Perbandingan Hasil *Drive Test Non Busy Hour* dan *Drive Test Busy Hour* Error! Bookmark not defined.
3.8 Perhitungan Manual Free Space Loss ..... Error! Bookmark not defined.
3.9 *Justification Route* ..... Error! Bookmark not defined.
BAB IV HASIL DAN ANALISA ..... Error! Bookmark not defined.
4.1 Hasil *Drive Test Non Busy Hour* dan *Drive Test Busy Hour* Error! Bookmark not defined.
4.2 Analisa PCI Plot ..... Error! Bookmark not defined.
4.2.1 Rute PCI Plot Non Busy Hour ..... Error! Bookmark not defined.
4.2.2 Rute PCI Plot Busy Hour ..... Error! Bookmark not defined.
4.3 Data Grafik NMS *Netnumen* ..... Error! Bookmark not defined.
4.4.1 *Maximum Active User* ..... Error! Bookmark not defined.
4.4.2 *Maximum Cell* DL Throughput ..... Error! Bookmark not defined.
4.4.3 *Packet Loss* ..... Error! Bookmark not defined.
4.4 Hasil Analisa Keseluruhan ..... Error! Bookmark not defined.
BAB V PENUTUP ..... Error! Bookmark not defined.
5.1 Kesimpulan ..... Error! Bookmark not defined.
5.2 Saran ..... Error! Bookmark not defined.
DAFTAR PUSTAKA ..... Error! Bookmark not defined.
LAMPIRAN ..... Error! Bookmark not defined.