

## DAFTAR GAMBAR

Gambar 2.1 Evolusi Jaringan seluler.....	20
Gambar 2.2 5G <i>Stand Alone Network</i> .....	22
Gambar 2.3 5G <i>Non Stand Alone Network</i> .....	24
Gambar 2.4 Faktor yang mempengaruhi <i>Link Budget</i> .....	37
Gambar 3.1 Diagram alur penelitian.....	54
Gambar 3.2 Peta wilayah.....	53
Gambar 3.3 Alur perencanaan <i>Coverage</i> .....	58
Gambar 3.4 Ilustrasi d2D.....	60
Gambar 3.5 alur perencanaan <i>Capacity</i> .....	61
Gambar 5.1 Simulasi <i>coverage signal level SS-RSRP</i> .....	79
Gambar 5.2 hasil simulasi <i>coverage signal level SS-RSRP</i> .....	80
Gambar 5.3 <i>Generate Report signal level SS-RSRP</i> .....	81
Gambar 5.4 simulasi <i>coverage signal level SS-SINR</i> .....	81
Gambar 5.5 hasil simulasi <i>coverage signal level SS-SINR</i> .....	82
Gambar 5.6 <i>Genarate report signal level SS-SINR</i> .....	83
Gambar 5.7 simulasi <i>coverage signal level Througput</i> .....	84
Gambar 5.8 hasil simulasi <i>coverage signal level Througput</i> .....	84
Gambar 5.9 <i>Generate report signal level Througput</i> .....	85
Gambar 5.10 simulasi <i>capacity signal level SS-RSRP</i> .....	86
Gambar 5.11 hasil simulasi <i>capacity signal level SS-RSRP</i> .....	86
Gambar 5.12 <i>Generate Report capacity signal level SS-RSRP</i> .....	87
Gambar 5.13 Simulasi <i>Capacity signal level SS-SINR</i> .....	88
Gambar 5.14 hasil simulasi <i>capacity signal level SS-SINR</i> .....	88
Gambar 5.15 <i>Generate report capacity level signal SS-SINR</i> .....	89
Gambar 5.16 simulasi <i>capacity level signal Througput</i> .....	90
Gambar 5.17 hasil simulasi <i>capacity level signal througput</i> .....	90
Gambar 5.18 <i>Genarate report level signal Througput</i> .....	91
Gambar 5.19 hasil optimasi <i>capacity SS-RSRP</i> .....	92
Gambar 5.20 grafik signal SS-RSRP.....	92

Gambar 5.21 <i>Genarate report SS-RSRP</i> .....	93
Gambar 5.22 hasil optimasi <i>capacity SS-SINR</i> .....	94
Gambar 5.23 grafik signal <i>SS-SINR</i> .....	94
Gambar 5.24 <i>Genarate report SS-SINR</i> .....	95
Gambar 5.25 hasil optimasi <i>capacity Throughput</i> .....	96
Gambar 5.26 grafik signal <i>Throughput</i> .....	96
Gambar 5.27 <i>Genarate report Throughput</i> .....	97
Gambar 5.28 biaya <i>OPEX</i> .....	98
Gambar 5.29 diagram <i>Net Present Value</i> .....	100
Gambar 5.30 diagram <i>ROI</i> .....	101