

## DAFTAR GAMBAR

Gambar 1.1 Jumlah Penduduk di Kota Pekanbaru[3].....	2
Gambar 2.1 Perkembangan Jaringan Seluler[8]. ....	13
Gambar 2.2 Visi Teknologi 5G NR[9]. ....	18
Gambar 2.3 Standalone 5G[9]. ....	21
Gambar 2.4 Link Budget[15].....	27
Gambar 2.5 Pythagoras antara d3D, d2D dan (h'BS-h'UT) [22]. ....	30
Gambar 3.1 Flowchart atau Alur Penelitian. ....	36
Gambar 3.2 Peta Wilayah Kota Pekanbaru[22]. ....	40
Gambar 3.3 Data <i>site</i> melalui <i>website</i> Cellmapper.net .....	41
Gambar 3.4 Grafik <i>Forecasting</i> Jumlah Penduduk. ....	42
Gambar 3.5 Flowchart Capacity Planning .....	43
Gambar 3.6 Flowchart Coverage Planning .....	44
Gambar 3.7 Software Atoll. ....	47
Gambar 4.1 Peta Signal Level SS-RSRP Capacity.....	55
Gambar 4.2 Histogram Signal Level SS-RSRP Capacity.....	56
Gambar 4.3 Generate Report Signal Level SS-RSRP Capacity .....	57
Gambar 4.4 Peta Signal Level SS-SINR Capacity .....	58
Gambar 4.5 Histogram Signal Level SS-SINR Capacity .....	59
Gambar 4.6 Generate Report Signal Level SS-SINR Capacity.....	60
Gambar 4.7 Peta Signal Level Throughput Capacity .....	60
Gambar 4.8 Histogram Signal Level Throughput Capacity .....	61
Gambar 4.9 Peta Signal Level SS-RSRP Coverage.....	62
Gambar 4.10 Histogram Signal Level SS-RSRP Coverage.....	63
Gambar 4.11 Generate Report Signal Level SS-RSRP Coverage .....	63
Gambar 4.12 Peta Signal Level SS-SINR Coverage .....	64
Gambar 4.13 Histogram Signal Level SS-SINR Coverage .....	64
Gambar 4.14 Generate Report Signal Level SS-SINR Coverage.....	65
Gambar 4.15 Peta Signal Level Throughput Coverage .....	65
Gambar 4.16 Histogram Signal Level Throughput Coverage .....	66
Gambar 4.17 Peta Optimasi Signal Level SS-RSRP Capacity .....	68
Gambar 4.18 Histogram Optimasi Signal Level SS-RSRP Capacity .....	68

Gambar 4.19 Generate Report Optimasi Signal Level SS-RSRP Capacity.....	69
Gambar 4.20 Peta Optimasi Signal Level SS-SINR Capacity.....	69
Gambar 4. 21 Histogram Optimasi Signal Level SS-SINR Capacity.....	70
Gambar 4. 22 Generate Report Optimasi Signal Level SS-SINR Capacity .....	70
Gambar 4. 23 Peta Optimasi Signal Level Throughput Capacity.....	71
Gambar 4. 24 Histogram Optimasi Signal Level Throughput Capacity.....	71
Gambar 4. 25 Peta Optimasi Signal Level SS-RSRP Coverage .....	73
Gambar 4. 26 Histogram Optimasi Signal Level SS-RSRP Coverage .....	73
Gambar 4. 27 Generate Report Optimasi Signal Level SS-RSRP Coverage.....	74
Gambar 4. 28 Peta Optimasi Signal Level SS-SINR Coverage.....	74
Gambar 4. 29 Histogram Optimasi Signal Level SS-SINR Coverage.....	75
Gambar 4. 30 Generate Report Optimasi Signal Level SS-SINR Coverage .....	75
Gambar 4. 31 Peta Optimasi Signal Level Throughput Coverage .....	76
Gambar 4. 32 Histogram Optimasi Signal Level Throughput Coverage.....	76