

DAFTAR GAMBAR

Gambar 2. 1 Arsitektur Jaringan LTE.....	8
Gambar 2. 2 Jarak dan Sudut Tilting Antena.....	16
Gambar 3. 1 Blok Diagram Perencanaan.....	20
Gambar 3. 2 Diagram Alir Optimasi dengan ACP	22
Gambar 3. 3 Peta Kecamatan Kiaracondong	26
Gambar 3. 4 <i>Initial Drive Test</i> menggunakan <i>Software Covmo</i>	26
Gambar 3. 5 <i>Initial Drive Test</i> RSRP	27
Gambar 3. 6 <i>Initial Drive Test</i> SINR	27
Gambar 3. 7 <i>Initial Drive Test</i> Throughput	28
Gambar 3. 8 <i>Initial Bad Coverage</i>	28
Gambar 3. 9 <i>Initial Bad Spot Site 1</i>	29
Gambar 3. 10 <i>Initial Bad Spot Site 2</i>	29
Gambar 3. 11 <i>Initial Bad Spot Site 3</i>	29
Gambar 3. 12 <i>Existing Site</i> pada <i>Software Forsk Atoll 3.3.0</i>	31
Gambar 3. 13 <i>Existing Transmitter</i> pada <i>Software Forsk Atoll 3.3.0</i>	32
Gambar 3. 14 <i>Existing Cell</i> pada <i>Software Forsk Atoll 3.3.0</i>	32
Gambar 3. 15 Letak <i>Existing Site</i> pada area 1	33
Gambar 3. 16 Letak <i>Existing Site</i> pada area 2	33
Gambar 3. 17 Letak <i>Existing Site</i> pada area 3	34
Gambar 3. 18 Hasil Prediksi RSRP	34
Gambar 3. 19 Hasil Prediksi SINR.....	35
Gambar 3. 20 Hasil Prediksi <i>Throughput Downlink</i>	35
Gambar 3. 21 Hasil Prediksi <i>Throughput Uplink</i>	36
Gambar 3. 22 Hasil Prediksi RSRP	37
Gambar 3. 23 Hasil Prediksi SINR.....	37
Gambar 3. 24 Hasil Prediksi <i>Throughput Downlink</i>	38
Gambar 3. 25 Hasil Prediksi <i>Throughput Uplink</i>	38
Gambar 3. 26 Hasil Prediksi RSRP	39
Gambar 3. 27 Hasil Prediksi SINR.....	39
Gambar 3. 28 Hasil Prediksi <i>Throughput Downlink</i>	40
Gambar 3. 29 Hasil Prediksi <i>Throughput Uplink</i>	41
Gambar 3. 30 Konfigurasi <i>Optimisation</i>	42
Gambar 3. 31 Konfigurasi <i>Objective</i>	42
Gambar 3. 32 Konfigurasi <i>Objective</i> LTE RSRP	43
Gambar 3. 33 Konfigurasi <i>Objective</i> LTE RSRQ	43
Gambar 3. 34 Konfigurasi <i>Reconfiguration</i>	44
Gambar 3. 35 Konfigurasi Antenna	44
Gambar 3. 36 Hasil <i>Sectors Area 1</i>	45
Gambar 3. 37 Hasil <i>Quality RSRP</i>	46
Gambar 3. 38 Hasil <i>Quality SINR</i>	46
Gambar 3. 39 Hasil <i>Sectors Area 2</i>	47
Gambar 3. 40 Hasil <i>Quality RSRP</i>	47
Gambar 3. 41 Hasil <i>Quality SINR</i>	48
Gambar 3. 42 Hasil <i>Sectors Area 3</i>	48

Gambar 3. 43 Hasil <i>Quality</i> RSRP	49
Gambar 3. 44 Hasil <i>Quality</i> SINR	50
Gambar 4. 13 Hasil Simulasi RSRP	52
Gambar 4. 14 Hasil Simulasi SINR	52
Gambar 4. 15 Hasil Simulasi <i>Throughput Downlink</i>	53
Gambar 4. 16 Hasil Simulasi <i>Throughput Uplink</i>	54
Gambar 4. 17 Hasil Simulasi RSRP	54
Gambar 4. 18 Hasil Simulasi SINR	55
Gambar 4. 19 Hasil Simulasi <i>Throughput Downlink</i>	56
Gambar 4. 20 Hasil Simulasi <i>Throughput Uplink</i>	56
Gambar 4. 21 Hasil Simulasi RSRP	57
Gambar 4. 22 Hasil Simulasi SINR	58
Gambar 4. 23 Hasil Simulasi <i>Throughput Downlink</i>	58
Gambar 4. 24 Hasil Simulasi <i>Throughput Uplink</i>	59
Gambar 4. 1 Hasil Simulasi RSRP	60
Gambar 4. 2 Hasil Simulasi SINR	60
Gambar 4. 3 Hasil Simulasi <i>Throughput Downlink</i>	61
Gambar 4. 4 Hasil Simulasi <i>Throughput Uplink</i>	62
Gambar 4. 5 Hasil Simulasi RSRP	62
Gambar 4. 6 Hasil Simulasi SINR	63
Gambar 4. 7 Hasil Simulasi <i>Throughput Downlink</i>	63
Gambar 4. 8 Hasil Simulasi <i>Throughput Uplink</i>	64
Gambar 4. 9 Hasil Simulasi RSRP	65
Gambar 4. 10 Hasil Simulasi SINR	65
Gambar 4. 11 Hasil Simulasi <i>Throughput Downlink</i>	66
Gambar 4. 12 Hasil Simulasi <i>Throughput Uplink</i>	66