

DAFTAR ISI

HALAMAN SAMPUL	i
HALAMAN SAMPUL DALAM	ii
LEMBAR PENGESAHAN	iii
LEMBAR PERNYATAAN ORISINALITAS	iv
ABSTRAK	v
ABSTRACT	vi
KATA PENGANTAR	vii
DAFTAR ISI	viii
DAFTAR TABEL	x
DAFTAR GAMBAR	x
BAB I	1
PENDAHULUAN	1
BAB II	5
LANDASAN TEORI	5
2.2. COVERAGE PLANNING	6
2.2.1. Link Budget (Perhitungan Mapl (Maximum Allowable Path Loss)).....	6
2.2.2. Synchronization Signal – Signal to Noise and Interference Ratio (SS-SINR)	9
2.2.3. <i>Synchronization Signal - Reference Signal Received Power (SS-RSRP)</i>	10
2.2.4. Model propagasi UMa (Urban Macro)	11
2.3. CAPACITY PLANNING	12
2.3.1. Network Throughput.....	12
2.3.2. SUT (Single User Throughput).....	12
2.3.3. Data Rate dan Throughput	13
2.3.4. Forecasting Number of User	13
2.3.5. Service Model	14
4.1. KONFIGURASI 5G NR.....	14
BAB III	16
METODE PENELITIAN	16
3.4.1 Forencasting Number of User	20
3.4.2 Service Model	21
3.4.3 Single User Throughput (SUT).....	21
3.4.4 Network Throughput.....	22

3.5.1	Link Budget.....	22
3.5.2	Propagasi Urban Marco (UMa).....	23
BAB IV	.....	29
HASIL DAN PEMBAHASAN	.....	29
4.1.	Hasil Perancangan Jaringan 5G NR	29
4.2.	Hasil Simulasi Parameter SS-RSRP	30
4.3.	Hasil Simulasi Parameter SS-SINR	32
BAB V	.....	35
KESIMPULAN DAN SARAN	.....	35
4.2.	Kesimpulan	35
4.3.	Saran	35
DAFTAR PUSTAKA	.....	36
LAMPIRAN	.....	38