

## DAFTAR SIMBOL

A	<i>Area Wide</i>
BLER	<i>Toleransi block error rate</i>
$B_r$	<i>Application Layer Bit Rate</i>
BWs	<i>System Bandwidth</i>
$C_b$	<i>modulated bit</i>
$C_{cov}$	<i>Cell Coverage</i>
$C_d$	faktor koreksi kondisi daerah
$C_r$	<i>channel coding rate</i>
$C_s$	<i>Cell Sectors</i>
d	jari-jari sel (km)
$D_h$	<i>Delay HO</i>
$D_{opt}$	<i>delay optical tranceiver</i>
$D_s$	<i>Delay sistem</i>
$D_t$	<i>Delay trafik</i>
$D_u$	Delay rata-rata per user
$D_{udara}$	<i>delay propagasi udara</i>
$f_c$	frekuensi (MHz)
FM	<i>Fading Margin</i>
$G_{eNb}$	<i>UE Gain</i>
$G_{TX}$	<i>eNodeB gain</i>
$G_{UE}$	<i>eNb Gain</i>
$h_b$	tinggi eNodeB (m)
$h_m$	tinggi UE (m)
$I_m$	<i>Interference Margin</i>
$L_b$	<i>Body Loss</i>
$L_c$	<i>Panjang coverage satu site dengan dua sel</i>
$L_f$	<i>Feeder Loss</i>
$L_k$	Panjang rel kereta
$L_p$	<i>Penetration Loss</i>
$LTE_{site}$	<i>Site LTE</i>
$L_{TX}$	<i>feeder loss UE TX UL/feeder loss DL</i>
$L_u$	Panjang coverage satu site uniform
$M_{TC}$	<i>MAC Throughput Capacity</i>
N	<i>Pengguna jaringan</i>
$N_c$	<i>Number of Cell</i>
$N_{FeNB}$	<i>eNB Noise Figure</i>
$N_{FUE}$	<i>UE Noise Figure</i>
$N_s$	<i>Number of site</i>

$N_t$	<i>Network Throughput</i>
$N_t$ (IP)	<i>Network Throughput IP</i>
$N_t$ (MAC Layer)	<i>Network Throughput MAC</i>
$N_u$	<i>Total Target User</i>
$N_{uc}$	<i>Number User per Cell</i>
$O_c$	<i>Overlapping Coverage</i>
$p_1(x)$	Nilai yang ingin diperoleh
$P_{AV}$	Penetrasi rata-rata tiap daerah
$P_L$	<i>path loss (dB)</i>
$P_R$	Penetrasi jaringan pada tiap daerah
$P_{TX}$	<i>UE TX power UL/eNodeB transmitter</i>
$R_s$	<i>Receiver Sensitivity</i>
$S_c$	<i>Site Capacity</i>
$S_r$	<i>Session Duty Ratio</i>
$S_t$	Durasi setiap layanan
$T_c$	<i>Throughput per Cell</i>
$T_N$	<i>Thermal Noise</i>
$T_s$	<i>Throughput per Session</i>
$x$	Parameter yang ingin dicapai
$x_1$	Nilai percobaan X ke 1
$x_2$	Nilai percobaan X ke 2
$y_1$	Nilai percobaan Y ke 1
$y_2$	Nilai percobaan Y ke 2
$v_k$	Kecepatan kereta