

DAFTAR SINGKATAN

| | |
|--------------------|---|
| 3GPP | : <i>3rd Generation Partnership Project</i> |
| a(hMS) | : Faktor koreksi tinggi antena user equipment |
| B | : <i>Bandwidth</i> |
| BS | : <i>Base Station</i> |
| BTS | : <i>Base Transceiver Station</i> |
| CS | : <i>The Circuit Switch</i> |
| CQI | : Channel Quality Index |
| d | : <i>Radius Cell</i> (m) atau Jarak antara TX-RX (Km) |
| EIRPDL | : Equivalent Isotropic Radiated Power per Subcarrier DL (dBm) |
| EIRPUL | : Equivalent Isotropic Radiated Power per Subcarrier UL (dBm) |
| EPC | : <i>Evolved Packet Core</i> |
| EPS | : <i>Evolved Packet System</i> |
| E-UTRAN | : <i>Evolved UMTS Terrestrial Radio Access Network</i> |
| GeNB | : eNode B Antena Gain (dBi) |
| GSM | : <i>Global System for Mobile Communication</i> |
| IM | : <i>Interference Margin</i> (dB) |
| K | : <i>Constanta Boltzmann</i> ($1,38 \times 10^{-23}$) (JK-1) |
| KPI | : <i>Key Performance Indicator</i> |
| LcUE | : Cable Loss UE (dB) |
| LTE | : <i>Long Term Evolution</i> |
| LTE-R | : <i>Long Term Evolution for Railway</i> |
| MAPL | : <i>Maximum Allowed Path Loss</i> |
| MAPL _{DL} | : Maximum Allowable Path Loss Downlink (dB) |

| | |
|----------------------------|--|
| MAPL _{UL} | : Maximum Allowable Path Loss Uplink (dB) |
| MIMO | : Multiple Input Multiple Output |
| MS | : <i>Mobile Station</i> |
| MSRS | : Minimum Signal Reception Strength (dBm) |
| MTDL | : Max Total DL (dBm) |
| MTUL | : Max Total UL (dBm) |
| NSDP | : The Number of Subcarrier to Distribute Power |
| PDN | : <i>Packet Data Network</i> |
| PDL | : Subcarrier Power eNode B(dBm) |
| PL | : Penetration Loss (dB) |
| PS | : <i>Packet Switched</i> |
| PSTN | : <i>Public Switched Telephone Network</i> |
| PUMN | : <i>Public Land Mobile Network</i> |
| RSRP | : <i>Reference Signal Received Power</i> |
| RxNF | : Rx Noise Figure (dB) |
| R _X Sensitivity | : Receiver Sensitivity eNodeB (dBm) |
| SAE | : <i>System Architecture Evolution</i> |
| SF | : Shadow Fading Margin (dB) |
| SINR | : <i>Signal to Noise Ratio</i> |
| T | : Temperatur (Kelvin) |
| TEMS | : <i>Test Mobile System</i> |
| UE | : <i>User Equipment</i> |
| UMTS | : <i>Universal Mobile Telecommunication System</i> |
| VoIP | : <i>Voice over IP</i> |
| WCDMA | : <i>Wideband Code Division Multiple Access</i> |