

## DAFTAR SINGKATAN

|         |                                                      |
|---------|------------------------------------------------------|
| 3G      | <i>3<sup>rd</sup> Generation</i>                     |
| 3GPP    | <i>3<sup>rd</sup> Generation Partnership Project</i> |
| AuC     | <i>Authentication Centre</i>                         |
| BC      | <i>Bandwidth Coherence</i>                           |
| BS      | <i>Bandwidth Symbol</i>                              |
| BER     | <i>Bit Error Rate</i>                                |
| BTS     | <i>Base Transceiver Station</i>                      |
| CIR     | <i>Carrier to Interference Ratio</i>                 |
| CP      | <i>Cyclic Prefix</i>                                 |
| CRF     | <i>Charging Rules Function</i>                       |
| CS      | <i>Circuit Switch</i>                                |
| EIRP    | <i>Effective Isotropic Radiated Power</i>            |
| ENodeB  | <i>Evolved Node B</i>                                |
| EPC     | <i>Evolved Packet Core</i>                           |
| E-UTRAN | <i>Evolved UMTS Terrestrial Radio Access Network</i> |
| FER     | <i>Frame Error Rate</i>                              |
| FFT     | <i>Fast Fourier Transform</i>                        |
| GI      | <i>Guard Interval</i>                                |
| HLR     | <i>Home Location Register</i>                        |
| HSPA    | <i>High Speed Packet Access</i>                      |
| HSS     | <i>Home Subscriber Server</i>                        |
| IFFT    | <i>Inverse Fast Fourier Transform</i>                |
| IP      | <i>Internet Protocol</i>                             |

|        |                                                          |
|--------|----------------------------------------------------------|
| ISDN   | <i>Integrated Service Digital Network</i>                |
| LOS    | <i>Line of Sight</i>                                     |
| LTE    | <i>Long Term Evolution</i>                               |
| MATLAB | <i>Matrix Laboratory</i>                                 |
| MAPL   | <i>Maximum Allowable Pathloss</i>                        |
| MM     | <i>Mobility Management</i>                               |
| MME    | <i>Mobility Management Entity</i>                        |
| OFDMA  | <i>Orthogonal Frequency Division Multiple Access</i>     |
| PCRF   | <i>Policy and Charging Rules Function</i>                |
| PDN-GW | <i>Packet Data Network Gateway</i>                       |
| PRF    | <i>Policy Rules Function</i>                             |
| PS     | <i>Packet Switch</i>                                     |
| P/S    | <i>Paralel to Serial</i>                                 |
| PSTN   | <i>Public Switch Telephone Network</i>                   |
| QAM    | <i>Quadrature Amplitude Modulation</i>                   |
| QoE    | <i>Quality of Experience</i>                             |
| QPSK   | <i>Quadrature Phase Sifht Keying</i>                     |
| RSL    | <i>Receive Signal Level</i>                              |
| RSRP   | <i>Reference Signal Received Power</i>                   |
| SAE    | <i>System Architecture Evolution</i>                     |
| SCFDMA | <i>Single Carrier Frequency Division Multiple Access</i> |
| S-GW   | <i>Service Gateway</i>                                   |
| SIR    | <i>Signal to Interference Ratio</i>                      |
| SNR    | <i>Signal to Noise Ratio</i>                             |

|      |                                          |
|------|------------------------------------------|
| S/P  | <i>Serial to Paralel</i>                 |
| TA   | <i>Tracking Area</i>                     |
| TAL  | <i>Tracing Area Lists</i>                |
| TC   | <i>Time Coherence</i>                    |
| TS   | <i>Time Slot</i>                         |
| UE   | <i>User Equipment</i>                    |
| UICC | <i>Universal Integrated Circuit Card</i> |
| WI   | <i>Walfisch-Ikegami</i>                  |
| VC   | <i>Video Call</i>                        |
| VPN  | <i>Virtual Private Network</i>           |