

DAFTAR SINGKATAN

ATP	: <i>Automatic Train Protection</i>
ATO	: <i>Automatic Train Operation</i>
AWGN	: <i>Additive White Gaussian Noise</i>
BER	: <i>Bit Error Rate</i>
BHSA	: <i>Busy Hour Service Area</i>
bps	: <i>bit per second</i>
bps/Hz	: <i>bit per second per Hertz</i>
BSC	: <i>Base Station Controller</i>
BTS	: <i>Base Transceiver Station</i>
CBTC	: <i>Communications-Based Train Control</i>
CCTV	: <i>Closed-Circuit Television</i>
CRS	: <i>Cell-specific Reference Signal</i>
CTCS	: <i>China Train Control System</i>
dB	: <i>decibel</i>
dB _i	: <i>decibels relative to an isotropic radiator</i>
dB _m	: <i>decibel-milliwatt</i>
dBW	: <i>decibel-watts</i>
DL	: <i>Downlink</i>
eNodeB	: <i>evolved Node B</i>
ERA	: <i>European Railway Agency</i>
E-UTRAN	: <i>Evolved UMTS Terrestrial Radio Access Network</i>
EPC	: <i>Evolved Packet Core</i>
gNB	: <i>gNodeB</i>
GSM-R	: <i>Global System for Mobile Communications for Railway</i>
HSS	: <i>Home Subscriber Server</i>

IoT	: <i>Internet of Things</i>
IP	: <i>Internet Protocol</i>
KCIC	: <i>Kereta Cepat Indonesia Cina</i>
KPI	: <i>Key Performance Indicator</i>
km	: <i>kilometer</i>
KML	: <i>Keyhole Markup Language</i>
KRNA	: <i>Korea Rail Network Authority</i>
LTE-R	: <i>Long Term Evolution for Railway</i>
MAPL	: <i>Maximum Average Path Loss</i>
Mbps	: <i>Megabit per second</i>
MHz	: <i>Megahertz</i>
MIMO	: <i>Multiple-Input Multiple-Output</i>
MME	: <i>Mobility Management Entity</i>
MSTP	: <i>Multi-Service Transport Platform</i>
OBU	: <i>On Board Unit</i>
PCRF	: <i>Policy and Charging Rules Function</i>
PDN Gateway	: <i>Packet Data Network Gateway</i>
QAM	: <i>Quadrature Amplitude Modulation</i>
QPSK	: <i>Quadrature Phase Shift Keying</i>
Q-GIS	: <i>Quantum Geographic Information System</i>
RB	: <i>Resource Block</i>
SGSN	: <i>Serving GPRS Support Node</i>
RSSI	: <i>Received Signal Strength Indicator</i>
RSRP	: <i>Reference Signal Received Power</i>
RSRQ	: <i>Referenced Signal Received Quality</i>
SCS	: <i>Subcarrier Spacing</i>

SDR	: <i>Software-Defined Radio</i>
SINR	: <i>Signal to Interference plus Noise Ratio</i>
SNR	: <i>Signal-to-Noise Ratio</i>
UE	: <i>User Equipment</i>
UHF	: <i>Ultra High Frequency</i>
UDP	: <i>User Data Protocol</i>
UL	: <i>Uplink</i>
Uu	: <i>Um interface</i>
Watt	: Satuan Daya Listrik