

DAFTAR SIMBOL DAN SINGKATAN

R	: <i>channel coding rate</i>
κ	: bit informasi
n	: <i>codeword</i>
\mathbf{H}_c	: matriks <i>circulant</i>
F	: FFT size
Q	: panjang <i>cyclic prefix</i>
y	: sinyal terima
f_d	: pergeseran frekuensi
v	: kecepatan
f_c	: frekuensi <i>carrier</i>
n	: <i>noise</i>
M	: indeks modulasi
ζ	: jumlah total informasi yang ditransmisikan
γ	: <i>signal to noise power ratio</i>
σ	: <i>varians sigma</i>
L_a	: <i>a priori LLR</i>
L_M	: LLR
BER	: <i>Bit Error Rate</i>
FER	: <i>Frame Error Rate</i>
GSM-R	: <i>Global System for Mobile Communications Railway</i>
FRMCS	: <i>Future Railway Mobile Communication System</i>
5G-NR	: <i>Fifth-Generation Network Radio</i>
ERTMS	: <i>European Railway Traffic Management System</i>
UIC	: <i>International Union of Railways</i>
3GPP	: <i>3rd Generation Partnership Project</i>
ETSI	: <i>European Telecommunications Standards Institute</i>
Tx	: <i>Transmitter</i>
Rx	: <i>Receiver</i>
ITU-R	: <i>International Telecommunication Union Radiocommunication Sector</i>
ECC	: <i>Electronic Communications Committee</i>
DSC	: <i>Doppler Spread Compensator</i>
SNR	: <i>Signal-to-Noise Ratio</i>
PDP	: <i>Power Delay Profile</i>