

DAFTAR SIMBOL DAN SINGKATAN

| | |
|----------------|--|
| R | : <i>channel coding rate</i> |
| κ | : bit informasi |
| n | : <i>codeword</i> |
| K | : block length |
| \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> |
| DSC | : <i>Doppler Spread Compensator</i> |