

LIST OF SYMBOLS

Km/h	Kilometer per hour
Ms	milisecond
Nm	Nano meter
Mbps	Megabyte per second
Km	Kilometer
MHz	Megahertz
KHz	Kilohertz
Gbps	Gigabyte per second
Gbit/s	Gigabit per second
P_t	Output power source optics (dBm)
P_r	Sensitivity Power maximum detector (dBm)
SM	Safety margin
α_{tot}	Total system attenuation (dB)
L	Fiber length optics (Km)
α_c	Damping Connector (dB/pc)
α_s	Damping connection (dB/connection)
α_{serat}	Damping fiber optics (dB/ Km)
Ns	Amount connection
Nc	Amount connector
Sp	Damping Splitter (dB)
t_{tx}	Rise time transmitter (ns)
t_{rx}	Rise time receiver (ns)

$\Delta\sigma$	Spectral width (nm)
D_m	Material dispersion (ps/nmKm)
P_{in}	Power received receiver (Prx dalam bentuk)
R	Responsitivity (A/W)
M	Avalanche Photodiode Gain
q	Electron Charge ($1,69 \times 10^{-19}$ C)
$F(M)$	Noise Figure
(B_e)	Receiver Electrical Bandwidth
(K_B)	Konstanta Boltzman's ($1,38 \times 10^{-23}$ J/K)
T	Temperature Room
R_L	Resistensi (Ω)