

DAFTAR GAMBAR

Gambar 2.1 Arsitektur 4G/LTE [14]	4
Gambar 2.2 Struktur Serat optik [3]	11
Gambar 2.3 Skematik DWDM [5].....	12
Gambar 3.1 Diagram Alir Perancangan.....	15
Gambar 3.2 Kabupaten Hulu Sungai Selatan [6]	16
Gambar 3.3 Konfigurasi Jaringan Backhaul 4G/LTE	22
Gambar 4.1 Blok Diagram Backhaul link STM-16.....	28
Gambar 4.2 Layout Simulasi Backhaul link STM-16	29
Gambar 4.3 Layout Link Akses GPON	30
Gambar 4.4 Q-factor link akses sisi upstream.....	31
Gambar 4.5 BER link akses sisi upstream	32
Gambar 4.6 Power Received link akses sisi upstream.....	32
Gambar 4.7 Hasil eye diagram terbaik tiap kecamatan (a) Kec.Loksado (b) Kec.Kandangan (c) Kec.Kalumpang sisi upstream	33
Gambar 4.8 Hasil Power Received terbaik tiap kecamatan (a) Kec.Loksado (b) Kec.Kandangan (c) Kec.Kalumpang sisi upstream	34
Gambar 4.9 Q-factor link akses sisi downstream.....	35
Gambar 4.10 BER link akses sisi downstream.....	35
Gambar 4.11 Power Received link akses sisi downstream	36
Gambar 4.12 Hasil eye diagram terbaik tiap kecamatan (a) Kec.Loksado (b) Kec.Kandangan (c) Kec.Kalumpang sisi downstream	37
Gambar 4.13 Hasil Power Received terbaik tiap kecamatan (a) Kec.Loksado (b) Kec.Kandangan (c) Kec.Kalumpang sisi downstream	37
Gambar 4.14 Q-factor backhaul link	38
Gambar 4.15 BER backhaul link	39
Gambar 4.16 Power Received backhaul link	39
Gambar 4.17 Perbandingan Q-factor perhitungan dan simulasi	40
Gambar 4.18 Perbandingan BER perhitungan dan simulasi	41
Gambar 4.19 Perbandingan power received perhitungan dan simulasi.....	42