

# DAFTAR ISI

<b>ABSTRAK</b> .....	Error! Bookmark not defined.
<b>ABSTRACT</b> .....	Error! Bookmark not defined.
<b>KATA PENGANTAR</b> .....	Error! Bookmark not defined.
<b>UCAPAN TERIMA KASIH</b> .....	Error! Bookmark not defined.
<b>DAFTAR ISI</b> .....	<b>1</b>
<b>DAFTAR GAMBAR</b> .....	Error! Bookmark not defined.
<b>DAFTAR TABEL</b> .....	Error! Bookmark not defined.
<b>DAFTAR SINGKATAN</b> .....	Error! Bookmark not defined.
<b>DAFTAR ISTILAH</b> .....	Error! Bookmark not defined.
<b>DAFTAR LAMPIRAN</b> .....	Error! Bookmark not defined.
<b>BAB I</b> .....	Error! Bookmark not defined.
1.1. Latar Belakang Masalah .....	<b>Error! Bookmark not defined.</b>
1.2. Tujuan dan manfaat .....	<b>Error! Bookmark not defined.</b>
1.3. Rumusan masalah .....	<b>Error! Bookmark not defined.</b>
1.4. Batasan masalah .....	<b>Error! Bookmark not defined.</b>
1.5. Metodologi penyelesaian masalah .....	<b>Error! Bookmark not defined.</b>
<b>BAB II</b> .....	Error! Bookmark not defined.
2.1. Arsitektur FTTX secara umum <sup>(7)</sup> .....	<b>Error! Bookmark not defined.</b>
2.1.1. Fiber To The Curb (FTTC) <sup>0</sup> .....	<b>Error! Bookmark not defined.</b>
2.1.2. Fiber To The Zone (FTTZ).....	<b>Error! Bookmark not defined.</b>
2.1.3. Fiber To The Building (FTTB) .....	<b>Error! Bookmark not defined.</b>
2.1.4. Fiber To The Home (FTTH) .....	<b>Error! Bookmark not defined.</b>
2.2. Passive Optical Network (PON) <sup>(1)</sup> .....	<b>Error! Bookmark not defined.</b>
2.3. Gigabit Passive Optical Network (GPON) <sup>(1)</sup> .....	<b>Error! Bookmark not defined.</b>
2.3.1. GPON Secara Umum .....	<b>Error! Bookmark not defined.</b>
2.3.2. Perbedaan GPON dan GEAPON.....	<b>Error! Bookmark not defined.</b>
2.3.4 Komponen GPON .....	<b>Error! Bookmark not defined.</b>
2.3.4.1 Optical Line Terminal (OLT).....	<b>Error! Bookmark not defined.</b>
2.3.4.2 Optical Data Network (ODN).....	<b>Error! Bookmark not defined.</b>
2.3.4.3 <i>Optical Network Termination (ONT)</i> .....	<b>Error! Bookmark not defined.</b>

2.3.4.4 Network Management System (NMS) .....	Error! Bookmark not defined.
2.4 Virtual Local Area Network (VLAN) <sup>(5)</sup> .....	Error! Bookmark not defined.
2.4.1 Dasar-dasar VLAN .....	Error! Bookmark not defined.
2.4.2 Jenis-jenis VLAN .....	Error! Bookmark not defined.
2.4.3 Keuntungan VLAN .....	Error! Bookmark not defined.
2.5 Triple Play <sup>(5)</sup> .....	Error! Bookmark not defined.
2.6 Parameter Untuk Kelayakan Hasil Perancangan <sup>(3)</sup> .....	Error! Bookmark not defined.
2.6.1 Power Link Budget .....	Error! Bookmark not defined.
2.6.2 Rise Time Budget.....	Error! Bookmark not defined.
2.6.3 Laju Kesalahan Bit / Bit Error Rate (BER) <sup>[8]</sup> .....	Error! Bookmark not defined.
2.7 Opti System <sup>(3)</sup> .....	Error! Bookmark not defined.
<b>BAB III</b> .....	Error! Bookmark not defined.
3.1 Diagram Alir .....	Error! Bookmark not defined.
3.2 Penentuan Lokasi .....	Error! Bookmark not defined.
3.3 Melakukan Survey Lokasi.....	Error! Bookmark not defined.
3.3.1 Pengumpulan Data Perancangan.....	Error! Bookmark not defined.
3.3.2 Spesifikasi Perangkat.....	Error! Bookmark not defined.
3.4 Penentuan Letak Perangkat .....	Error! Bookmark not defined.
3.4.1 Letak OLT.....	Error! Bookmark not defined.
3.4.2 Letak ODN .....	Error! Bookmark not defined.
3.4.3 Letak ONT.....	Error! Bookmark not defined.
3.5. Perancangan Jaringan dan Perhitungan Power Link Budget .....	Error! Bookmark not defined.
3.6 Kebutuhan Perangkat.....	Error! Bookmark not defined.
3.7 Rise Time Budget.....	Error! Bookmark not defined.
3.8 Perancangan Menggunakan Optisystem .....	Error! Bookmark not defined.
3.9 Konfigurasi Jaringan (OLT) .....	Error! Bookmark not defined.
3.9.1 Konfigigurasi SLOT.....	Error! Bookmark not defined.
3.9.2 Konfigurasi dari VLAN .....	Error! Bookmark not defined.
3.9.3 Konfigurasi OLT-ONT .....	Error! Bookmark not defined.
<b>BAB IV</b> .....	Error! Bookmark not defined.
4.1 Analisis Kelayakan Perancangan .....	Error! Bookmark not defined.
4.1.1 Power Link Budget .....	Error! Bookmark not defined.
4.1.2 Rise Time Budget.....	Error! Bookmark not defined.

4.1.3 *Bit Error Rate*..... **Error! Bookmark not defined.**

4.2 Analisis Hasil Konfigurasi Layanan di perancangan jaringan FTTB Pada OLT **Error! Bookmark not defined.**

**BAB V** ..... **Error! Bookmark not defined.**

5.1 Kesimpulan..... **Error! Bookmark not defined.**

5.2 Saran ..... **Error! Bookmark not defined.**

**DAFTAR PUSTAKA**..... **Error! Bookmark not defined.**