

DAFTAR ISI

LEMBAR PENGESAHAN	i
LEMBAR PENGESAHAN PEMBIMBING LAPANGAN MAGANG	ii
KATA PENGANTAR	iii
PERNYATAAN	iv
DAFTAR ISI	v
DAFTAR GAMBAR	vii
DAFTAR TABEL	viii
BAB I PENDAHULUAN	1
1.1 Latar Belakang	1
1.2 Rumusan Masalah dan Solusi	2
1.3 Tujuan	2
1.4 Batasan Masalah.....	2
1.5 Penjadwalan Kerja	3
BAB II STUDI PUSTAKA	5
2.1 Studi Pustaka/Referensi	5
2.2 NTT Data	5
2.3 <i>Technical Support Enterprise</i>	6
BAB III ANALISIS PEKERJAAN	8
3.1 Deskripsi dan Alur Pekerjaan.....	8
3.2 Fitur yang digunakan	12
3.2.1 Catalyst 9500 Feature (<i>Core Switch</i>).....	12
3.2.1.1Cisco StackWise Virtual	12
3.2.1.2 Cisco StackWise Virtual Redudancy	13
3.2.1.3 Dual Active Detection.....	13
3.2.1.4Dual-Active-Detection Link with Fast Hello	14
3.2.1.5Implementing Cisco StackWise Virtual	14
3.2.2 Catalyst 9200 Series Feature (<i>Distribution Switch</i>)	15
3.2.2.1Etherchannel.....	15
3.2.2.2Link Aggregation Control Protocol	16

3.2.2.3 <i>LACP and Link Redundancy</i>	16
3.2.2.4 <i>StackWise 160/80</i>	17
3.2.2.5 <i>Stacking Architecture</i>	18
3.2.2.5.1 <i>Ring Architecture</i>	18
3.3 <i>Devices Information and Bill of Materials (BoM)</i>	19
3.3.1 <i>Devices Information</i>	19
3.3.2 C9500-24Y4C-A	20
3.3.3 C9200L-24T-4X-E	21
3.3.4 C9200-48T-E	22
3.3.5 C9200-24T-E	22
3.3.6 C9200-48P-E	23
3.3.7 C9200-24P-E	24
3.3.8 QSFP-40G-SR-BD	24
3.3.9 GLC-TE	25
3.3.10 SFP-10G-T-X	25
3.3.11 GLC-SX-MMD	25
3.3.12 SFP-10G-SR	26
3.4 <i>High Level Design Topology</i>	27
3.4.1 <i>High Topology Existing</i>	27
3.4.2 <i>High Topology Proposed</i>	28
3.5 Implementasi Migrasi <i>Replacement Switch</i>	29
BAB IV HASIL DAN PEMBAHASAN	32
4.1 Hasil Akhir (Luaran)	32
BAB V KESIMPULAN DAN SARAN	37
5.1 Kesimpulan	37
5.2 Saran	37
DAFTAR PUSTAKA	39
LAMPIRAN	40