

DAFTAR ISI

COVER.....	Error! Bookmark not defined.
COVER.....	Error! Bookmark not defined.
HALAMAN PENGESAHAN.....	Error! Bookmark not defined.
HALAMAN PENGESAHAN.....	Error! Bookmark not defined.
PERNYATAAN BEBAS PLAGIARISME	Error! Bookmark not defined.
HALAMAN PERNYATAAN PERSETUJUAN PUBLIKASI PROYEK AKHIR UNTUK KEPENTINGAN AKADEMIS.....	Error! Bookmark not defined.
ABSTRAK.....	Error! Bookmark not defined.
ABSTRACT	Error! Bookmark not defined.
KATA PENGANTAR	Error! Bookmark not defined.
DAFTAR ISI.....	viii
DAFTAR GAMBAR	Error! Bookmark not defined.
DAFTAR TABEL	Error! Bookmark not defined.
DAFTAR ISTILAH	Error! Bookmark not defined.
DAFTAR SINGKATAN	Error! Bookmark not defined.
BAB I PENDAHULUAN.....	Error! Bookmark not defined.
1.1 Latar Belakang	Error! Bookmark not defined.
1.2 Tujuan Penelitian	Error! Bookmark not defined.
1.3 Rumusan Masalah	Error! Bookmark not defined.
1.4 Batasan Masalah	Error! Bookmark not defined.

1.5	Metode Penelitian	Error! Bookmark not defined.
1.6	Sistematika Penulisan.....	Error! Bookmark not defined.
1.7	Rencana Kerja.....	Error! Bookmark not defined.
BAB II DASAR TEORI.....		Error! Bookmark not defined.
2.1	Sejarah TCP/IP	Error! Bookmark not defined.
2.1.1	TCP/IP.....	Error! Bookmark not defined.
2.1.2	Lapisan Layer TCP/IP	Error! Bookmark not defined.
2.2	VPN.....	Error! Bookmark not defined.
2.2.1	Fungsi VPN	Error! Bookmark not defined.
2.2.2	Jenis VPN.....	Error! Bookmark not defined.
2.3	MikroTik.....	Error! Bookmark not defined.
2.4	Cloud Computing	Error! Bookmark not defined.
2.4.1	Karakteristik Cloud Computing.....	Error! Bookmark not defined.
2.4.2	Layanan Cloud Computing.....	Error! Bookmark not defined.
2.4.3	Model Deployment Cloud Computing	Error! Bookmark not defined.
2.5	OpenStack.....	Error! Bookmark not defined.
2.5.1	<i>Node Controller</i>	Error! Bookmark not defined.
2.5.2	<i>Compute Node</i>	Error! Bookmark not defined.
2.5.3	<i>Virtual Machine (Instance)</i>	Error! Bookmark not defined.
2.5.4	<i>Image Virtual Image</i>	Error! Bookmark not defined.
2.5.5	<i>Hypervisor</i>	Error! Bookmark not defined.
2.6	VPN Mikrotik.....	Error! Bookmark not defined.

2.6.1	(PPTP).....	Error! Bookmark not defined.
2.6.2	(L2TP)	Error! Bookmark not defined.
2.6.3	(IPsec).....	Error! Bookmark not defined.
2.7	VPN Openstack.....	Error! Bookmark not defined.
BAB III INSTALASI DAN KONFIGURASI		Error! Bookmark not defined.
3.1	Block Diagram OpenStack	Error! Bookmark not defined.
3.2	Topologi Fisik	Error! Bookmark not defined.
3.3	Topologi Logic	Error! Bookmark not defined.
3.4	Diagram Flowchart 1	Error! Bookmark not defined.
3.5	Diagram Flowchart 2	Error! Bookmark not defined.
3.6	Spesifikasi Perangkat Implementasi	Error! Bookmark not defined.
3.6.1	Spesifikasi Perangkat Implementasi	Error! Bookmark not defined.
3.6.2	Spesifikasi Perangkat untuk Konfigurasi.....	Error! Bookmark not defined.
3.6.3	Spesifikasi Hypervisor Perangkat	Error! Bookmark not defined.
3.7	Kapasitas Masing-Masing Node	Error! Bookmark not defined.
3.7.1	Kapasitas untuk Server Controller Node.....	Error! Bookmark not defined.
3.7.2	Kapasitas untuk Sever Compute Node	Error! Bookmark not defined.
3.7.3	Kapasitas untuk Sever Network Node	Error! Bookmark not defined.
3.8	Kapasitas RouterBoard MikroTik	Error! Bookmark not defined.
3.9	Persiapan Installasi	Error! Bookmark not defined.
3.10	Instalasi Masing-Masing Node	Error! Bookmark not defined.
3.10.1	Instalasi Controller Node	Error! Bookmark not defined.

3.10.2	Instalasi Compute Node	Error! Bookmark not defined.
3.10.3	Instalasi Network Node	Error! Bookmark not defined.
3.11	Instalasi MikroTik	Error! Bookmark not defined.
3.12	Konfigurasi Komponen OpenStack di Masing-Masing Node	Error! Bookmark not defined.
3.12.1	Konfigurasi Controller Node	Error! Bookmark not defined.
3.12.2	Konfigurasi Compute Node	Error! Bookmark not defined.
3.12.3	Konfigurasi Network Node	Error! Bookmark not defined.
3.13	Konfigurasi MikroTik.....	Error! Bookmark not defined.
BAB IV PENGUJIAN DAN ANALISA		Error! Bookmark not defined.
4.1	Pengujian Service VPNAAS.....	Error! Bookmark not defined.
4.1.1	Tujuan Penelitian.....	Error! Bookmark not defined.
4.1.2	Cara Pengujian.....	Error! Bookmark not defined.
4.1.3	Hasil Pengujian	Error! Bookmark not defined.
4.1.4	Analisa Pengujian Pertama.....	Error! Bookmark not defined.
4.1.5	Analisa Pengujian Kedua	Error! Bookmark not defined.
4.1.6	Analisa Pengujian Ketiga	Error! Bookmark not defined.
4.1.7	Hasil Pengujian menggunakan Wireshark ..	Error! Bookmark not defined.
4.2	Cara pengujian MikroTik	Error! Bookmark not defined.
4.2.1	Hasil pengujian VPNAAS Terkoneksi VPN MIKROTIK	Error! Bookmark not defined.
4.2.2	Hasil Pengujian menggunakan Wireshark ..	Error! Bookmark not defined.

BAB V KESIMPULAN DAN SARAN	Error! Bookmark not defined.
5.1 Kesimpulan.....	Error! Bookmark not defined.
5.2 Saran.....	Error! Bookmark not defined.
DAFTAR PUSTAKA	Error! Bookmark not defined.
LAMPIRAN	Error! Bookmark not defined.