

DAFTAR ISI

LEMBAR PENGESAHAN	i
LEMBAR PENGESAHAN	ii
PERNYATAAN BEBAS PLAGIARISME	iii
HALAMAN PERNYATAAN PERSETUJUAN PUBLIKASI.....	iv
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 Pembatasan Masalah.....	Error! Bookmark not defined.
 1.5 Metode Penelitian	Error! Bookmark not defined.

1.6 Sistematika Penulisan	.....Error! Bookmark not defined.
1.7 Jadwal Pengerajan Proyek Akhir	.....Error! Bookmark not defined.
BAB II DASAR TEORI	.....Error! Bookmark not defined.
2.1 TCP/IP	.....Error! Bookmark not defined.
 2.1.1 IP Address (<i>Internet Protocol Address</i>)	.....Error! Bookmark not defined.
2.2 Telekomunikasi Tradisional	.....Error! Bookmark not defined.
 2.2.1 Jaringan 1G	.....Error! Bookmark not defined.
 2.2.2 Jaringan 2G	.....Error! Bookmark not defined.
 2.2.3 Jaringan 2.5G	.....Error! Bookmark not defined.
 2.2.4 Jaringan 3G	.....Error! Bookmark not defined.
 2.2.5 Jaringan 3.5G	.....Error! Bookmark not defined.
 2.2.6 Jaringan 4G	.....Error! Bookmark not defined.
2.3 Telekomunikasi VoIP	.....Error! Bookmark not defined.
 2.3.1 Sistem Kerja VoIP	.....Error! Bookmark not defined.
 2.3.2 Unsur Pembentuk Jaringan VoIP	.....Error! Bookmark not defined.
 2.3.3 Protokol-Protokol Penunjang VoIP	.....Error! Bookmark not defined.
 2.3.4 Sistem Panggilan dalam VoIP	.....Error! Bookmark not defined.
 2.3.5 Quality of Service	.....Error! Bookmark not defined.
2.4 Cloud Computing	.....Error! Bookmark not defined.
2.5 OpenStack Juno	.....Error! Bookmark not defined.

- 2.5.1 Compute (Nova)**Error! Bookmark not defined.
- 2.5.2 Object Storage (Swift)**Error! Bookmark not defined.
- 2.5.3 Block Storage (Cinder)**Error! Bookmark not defined.
- 2.5.4 Networking (Neutron)**Error! Bookmark not defined.
- 2.5.5 Dashboard (Horizon)**Error! Bookmark not defined.
- 2.5.6 Identity Service (Keystone)**Error! Bookmark not defined.
- 2.5.7 Orchestration (Heat)**Error! Bookmark not defined.
- 2.5.8 Telemetry (Ceilometer)**Error! Bookmark not defined.
- 2.5.9 Database Service (Trove)**Error! Bookmark not defined.
- 2.5.10 Image Service (Glance)**Error! Bookmark not defined.
- 2.5.11 Data Processing (Sahara)**Error! Bookmark not defined.

BAB III KONFIGURASI DAN INSTALASIError! Bookmark not defined.

- 3.1 Arsitektur OpenStack**Error! Bookmark not defined.
- 3.2 Topology Fisik Perangkat Implementasi**Error! Bookmark not defined.
- 3.3 Topology Logika Implementasi**Error! Bookmark not defined.
- 3.4 Flowchart**Error! Bookmark not defined.
- 3.5 Spesifikasi Perangkat Implementasi**Error! Bookmark not defined.
 - 3.5.1 Spesifikasi Hypervisor**Error! Bookmark not defined.
 - 3.5.2 Spesifikasi Masing-Masing Node OpenStack**Error! Bookmark not defined.
 - 3.5.3 Spesifikasi Perangkat untuk Konfigurasi**Error! Bookmark not defined.

3.5.4 Spesifikasi Perangkat Pendukung lainnya.....Error! Bookmark not defined.

3.6 Persiapan InstallasiError! Bookmark not defined.

3.7 Instalasi Masing-Masing NodeError! Bookmark not defined.

3.7.1 Instalasi Controller NodeError! Bookmark not defined.

3.7.2 Instalasi Compute NodeError! Bookmark not defined.

3.7.3 Instalasi Network Node.....Error!
Bookmark not defined.

3.8 Parameter kinerja yang akan dianalisaError! Bookmark not defined.

3.8.1 DelayError! Bookmark not defined.

3.8.2 JitterError! Bookmark not defined.

3.8.3 Packet LossError! Bookmark not defined.

3.9 Contoh perhitungan parameter VoIP menggunakan Wireshark..... Error!
Bookmark not defined.

3.10 Install dan konfigurasi FreePBX di Ubuntu server..... Error! Bookmark not
defined.

BAB IV PENGUJIAN DAN ANALISAError! Bookmark not defined.

4.1 Pembuatan Intestance.....Error! Bookmark not defined.

4.1.1 Tujuan PengujianError! Bookmark not defined.

4.1.2 Cara PengujianError! Bookmark not defined.

4.1.3 Hasil PengujianError! Bookmark not defined.

5.1.4 Analisa PengujianError! Bookmark not defined.

4.2 Calling antara 2 user menggunakan 1 server.....Error! Bookmark not defined.

4.2.1 Tujuan PengujianError! Bookmark not defined.

4.2.2 Cara PengujianError! Bookmark not defined.

4.2.3 Hasil PengujianError! Bookmark not defined.

4.2.3.1 Perhitungan Qos pada Wireshark.....Error! Bookmark not defined.

4.2.4 AnalisaError! Bookmark not defined.

4.2.5 Softphone zoiper.....Error! Bookmark not defined.

4.3 Calling antara 2 user menggunakan 2 server.....Error! Bookmark not defined.

4.3.1 Tujuan PengujianError! Bookmark not defined.

4.3.2 Cara PengujianError! Bookmark not defined.

4.3.3 Hasil PengujianError! Bookmark not defined.

4.3.3.1 Perhitungan Qos Trunk user pada Wireshark.....Error! Bookmark not defined.

4.4 Analisa.....Error! Bookmark not defined.

BAB V KESIMPULAN DAN SARANError! Bookmark not defined.

5.1 KesimpulanError! Bookmark not defined.

5.2 SaranError! Bookmark not defined.

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