DAFTAR PUSTAKA

UNIT PELAKSANA TEKNIS PERPUSTAKAAN UNIKOM

The DSL Source Book, Paradyne Corp, 2000.

HTTP:// WWW.BOGOR.NET/IDKF/IDKF

HTTP:// WWW.ILMUKOMPUTER.COM

HTTP:// WWW.MRTG.ORG


UNIVERSITAS KOMPUTER INDONESIA
UNIKOM

UNIT PELAKSANA TEKNIS
UNIKOM

LAMPIRAN

UNIVERSITAS KOMPUTER INDONESIA
JURUSAN TEKNIK INFORMATIKA
KAMPUS V : Jl. Dipati Ukur 114 Telp. (022) 2506637, Bandung 40132

PENILAIAN KERJA PRAKTEK
UNIVERSITAS KOMPUTER INDONESIA

Nama Mahasiswa/i	:	Arnold. P. Manurung
NIM	:	1 01 01 200
Jurusan	:	Teknik Informatika
Nama Perusahaan	:	PT. PLN (PERSERO)
Alamat Perusahaan & Telp	:	Jl. Asia Afrika Bandung
Waktu Kerja Praktek	:	19 JULI - 16 AGUSTUS 2004
Nama Pejabat Penilai	:	Ir. Budiono
Jabatan	:	M.M Div. IT

No	Aspek Yang Dinilai	Nilai	Indeks Prestasi
1	Disiplin Dalam Kerja	85	
2	Kemampuan Menyelesaikan Tugas	80	
3	Prestasi Kerja	75	
4	Inisiatif	85	
5	Kepribadian	80	

JUDUL LAPORAN KERJA PRAKTEK

ANALISIS TRAFFIC DATA JARINGAN INTERNAL DAN EKSTERNAL PADA PT PLN (PERSERO) UNIT DISTRIBUSI JAWA BARAT DAN BANTEN KHUSUSNYA APJ BANDUNG MENGGUNAKAN SOFTWARE MRTG

Komentar Pejabat Penilai Atas Prestasi Kerja Mahasiswa/i UNIKOM :

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NILAI	INDEKS	KETERANGAN
80 ≤ NA ≤ 100	A	Sangat Baik
70 ≤ NA ≤ 79	B	Baik
55 ≤ NA ≤ 69	C	Cukup
41 ≤ NA ≤ 54	D	Kurang
0 ≤ NA ≤ 40	E	Buruk

Mengetahui,

Kajur. Teknik Informatika

Budhi Irawan, S.Si
NIP.4127 70 06 003

Bandung, ...2005

Koordinator Kerja Praktek

Budiono

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JURUSAN TEKNIK INFORMATIKA
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KAMPUS II : JL. DIPATI UKUR 116 TELP. (022) 2506634, 2503371 BANDUNG 40132
KAMPUS III : JL. DIPATI UKUR 102 TELP. (022) 2506637, FAX. 2533754 BANDUNG 40132
KAMPUS IV : JL. DIPATI UKUR 114 TELP. (022) 2503354, 2508805 BANDUNG 40132

ABSENSI KERJA PRAKTEK

NIM : 10101200

NAMA : ARNOLD P. MANURUNG

No	Tanggal	Jam Masuk	Jam Keluar	Paraf Petugas	Keterangan
1	19 JULI 2004	08.00	12.00		
2	20 JULI 2004	08.00	12.00		
3	23 JULI 2004	08.00	12.00		
4	27 JULI 2004	08.00	12.00		
5	30 AUG 2004	08.00	12.00		
6	2 AUG 2004	08.00	12.00		
7	5 AUG 2004	08.00	12.00		
8	10 AUG 2004	08.00	12.00		
9	12 AUG 2004	08.00	12.00		
10	16 AUG 2004	08.00	12.00		

A. Tabel Personal Komputer

Processor	*RAM*	*HardDisk*	*DiskDrive*	*Monitor*	*Ethernet*	*Jml*
Intel P-166	16M-32M	406MB-5.1GB	1.44	VGA	NE 2000	88
Intel P-233	8MB-64MB	1.2GB-13.2GB	1.44	VGA	NE 2000	58
Intel 486 DX Series	2.56MB-16MB	47MB-2.1GB	1.44	VGA	NE 2000	129
Intel P-133	7MB-32MB	1.2GB-4.7GB	1.44	VGA	NE 2000	59
Intel 286AT	1024KB	41MB	1.44	VGA	N/A 10/1000	1
Intel 386	4MB	77MB-612MB	1.44	VGA	N/A 10/1000	16
Intel P-200	16MB-32MB	1.7GB-7.1GB	1.44	VGA	N/A 10/1000	15
Intel PII-300	32MB-64MB	46MB-4.3GB	1.44	VGA	N/A 10/1000	9
Intel PII-400	32MB-128MB	6.4GB-8.2GB	1.44	VGA	N/A 10/1000	52
Intel PIII-500	64MB-256MB	5.1GB-27.3GB	1.44	VGA	N/A 10/1000	10

UNIT PELAKSANA TEKNIS PERPUSTAKAAN UNIKOM

Processor	*RAM*	*HardDisk*	*DiskDrive*	*Monitor*	*Ethernet*	*Jml*
Intel PIII-600	32MB-64MB	6.4GB-7GB	1.44	VGA	N/A 10/1000	5
Intel PIII-886	256MB	10.2GB-27GB	1.44	VGA	N/A 10/1000	2
Intel PII-450	64MB	6.4GB	1.44	VGA	N/A 10/1000	13
Intel P-60	16MB	540MB	1.44	VGA	EZ 2000	1
AMD 486DX	4MB-32MB	2.1GB	1.44	VGA	EZ 2000	52
AMD 586 DX	4MB-16MB	2.1GB-5.2GB	1.44	VGA	EZ 2000	5

Tabel 4.1. ***Inventarisir Komputer Pada Jaringan Komputer di PT.PLN (Persero) Unit Distribusi Jawa Barat dan Banten***

B. Tabel Komputer Server

Processor	*RAM*	*HardDisk*	*DiskDrive*	*Monitor*	*Ethernet*	*Jml*
Intel PIII-500	256MB-1GHz	3 x 9.1GB	1.44	IBM Netvinity 5000	10/100 PCI Netware Controller	15

Processor	*RAM*	*HardDisk*	*DiskDrive*	*Monitor*	*Ethernet*	*Jml*
2x Intel PIII-733	256MB-1GHz	3 x 9.1GB	1.44	IBM Netvinity 5000	10/100 Ethernet Network Controller	25
Intel PIII-1GHz	512 MB	32GB	1.44	IBM Xseries 220		11

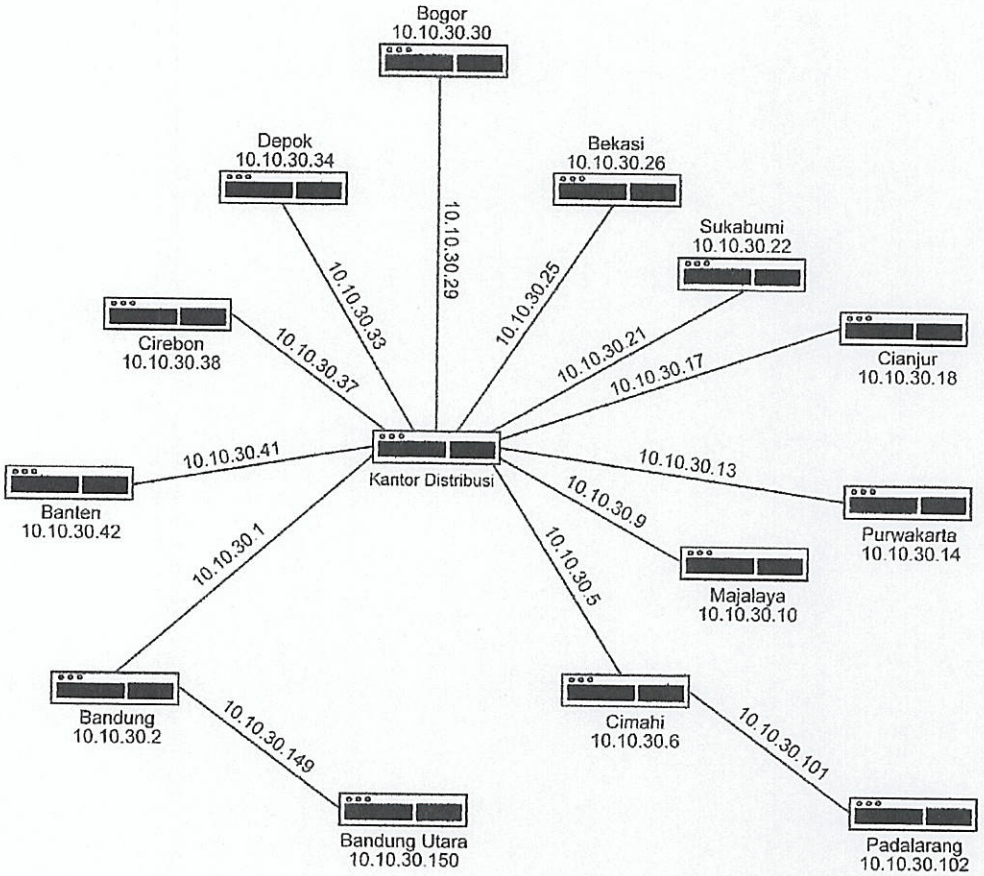
Tabel 4.2. ***Inventarisir Server di PT.PLN (Persero) Unit Distribusi Jawa Barat***

C. Tabel Router

Jenis Router	*Spesifikasi*	*Jumlah*
Cisco 2509	2 Port Serial 1 Port ASync AUI, Console Aux	15 Unit

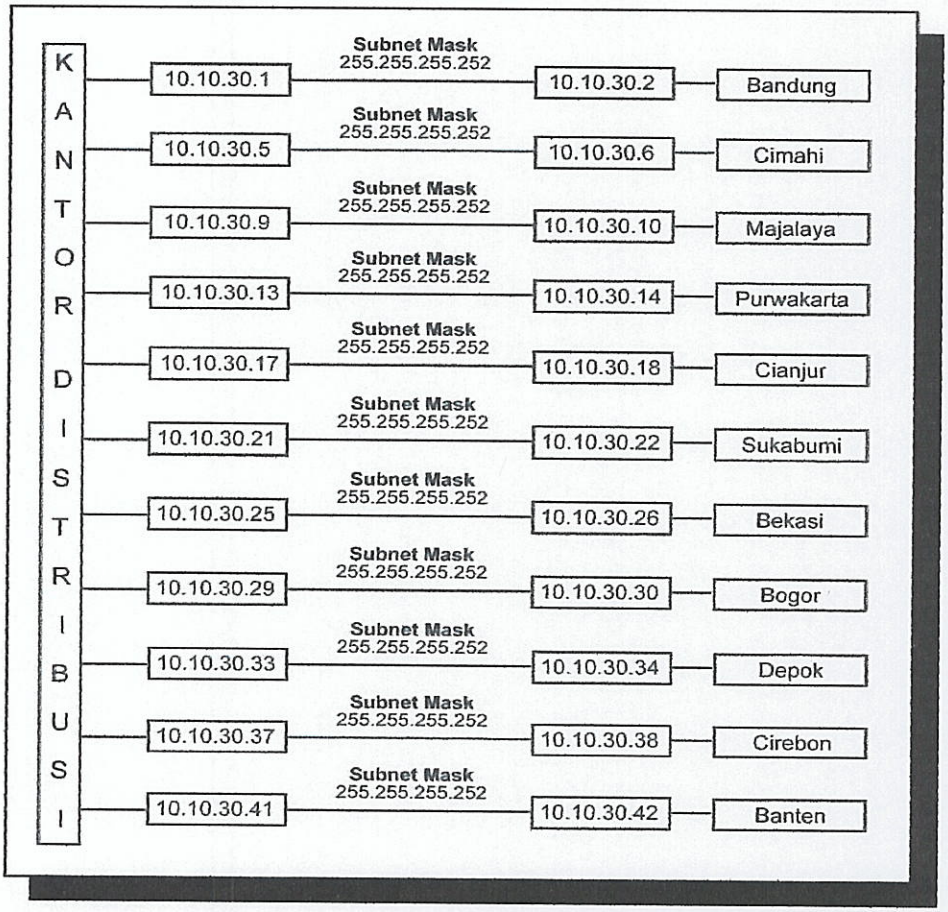
Jenis Router	*Spesifikasi*	*Jumlah*
Cisco 2522	8 Port Low-Speed Serial 2 Port Serial 1 Port Async 2 Console Aux ISDN(BRI), AUI	1 Unit
Cisco 1720	2 Port Serial 2 Port Low-Speed Serial ISDN(BRI) 1 Console Aux	5 Unit

Tabel 4.3. ***Inventarisir Router di PT.PLN (Persero) Unit Distribusi Jawa Barat***



Gambar 4.1. ***Rancangan Pengalamatan Router di PT.PLN (Persero) Unit Distribusi Jawa Barat***

Tabel Routing Untuk Pengalamatan *Router* Pada Jaringan WAN di PT.PLN (Persero) Unit Distribusi Jawa Barat



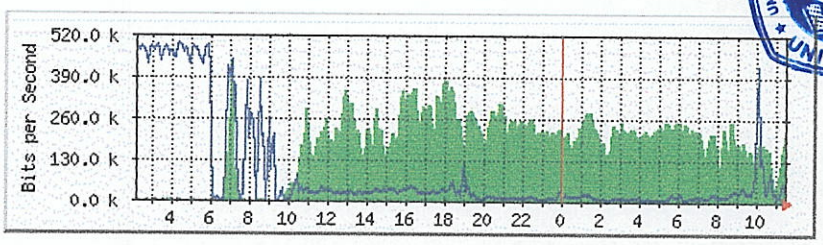
Tabel 4.4. ***Tabel Routing Untuk Pengalamatan Router Pada Jaringan WAN***

Tabel Routing Untuk *Router* Kantor Distribusi

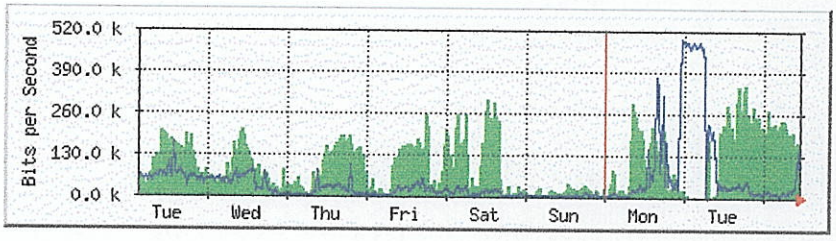
IP Sumber	*Subnet*	*IP Tujuan*
10.10.30.1	255.255.255.252	10.10.30.2
10.10.30.5	255.255.255.252	10.10.30.6
10.10.30.9	255.255.255.252	10.10.30.10
10.10.30.13	255.255.255.252	10.10.30.14
10.10.30.17	255.255.255.252	10.10.30.18
10.10.30.21	255.255.255.252	10.10.30.22
10.10.30.25	255.255.255.252	10.10.30.26
10.10.30.29	255.255.255.252	10.10.30.30
10.10.30.33	255.255.255.252	10.10.30.34
10.10.30.37	255.255.255.252	10.10.30.38
10.10.30.41	255.255.255.252	10.10.30.42

Tabel 4.5. ***Tabel Routing Untuk Router Kantor Distribusi***

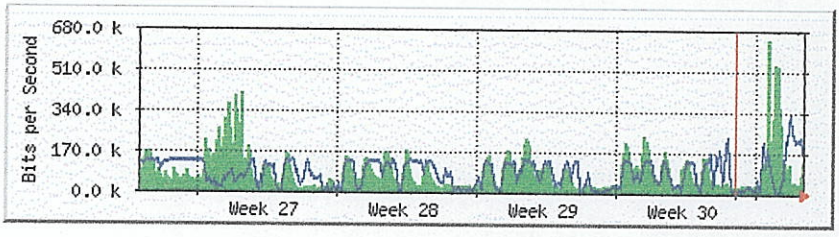
Data Grafik MRTG



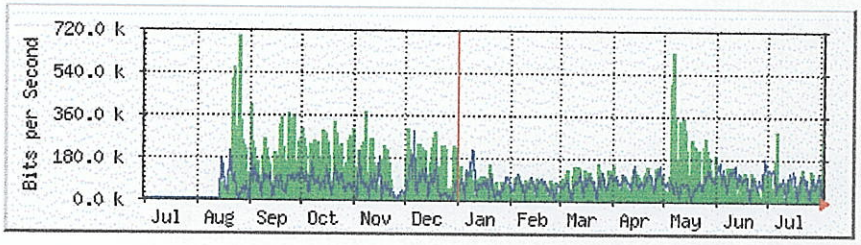
Gambar 4.2. ***Grafik kondisi jaringan harian***



Gambar 4.3. ***Grafik kondisi jaringan mingguan***

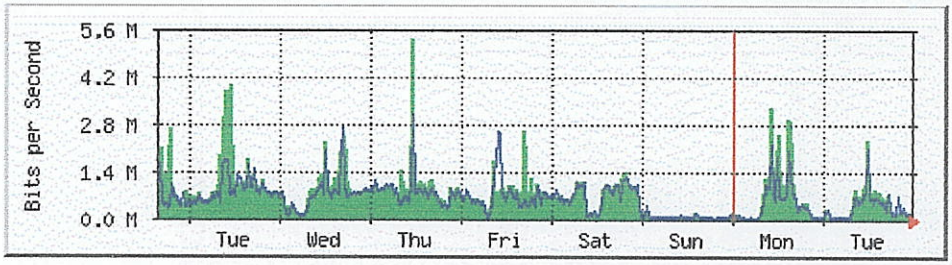


Gambar 4.4. ***Grafik kondisi jaringan bulanan***



Gambar 4.5. ***Grafik kondisi jaringan tahunan***

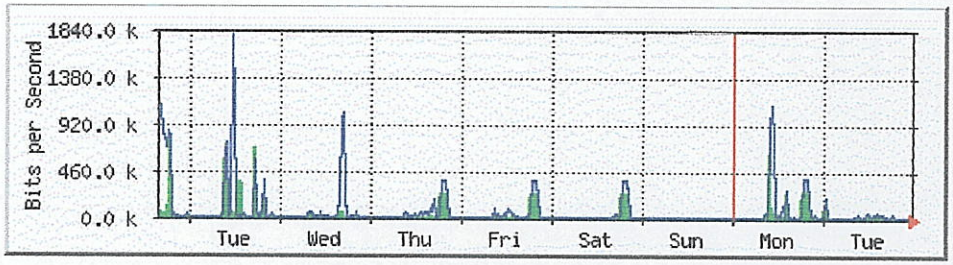
Router TI (13 – 20 Oktober 2004)



Max In:5344.1 kb/s (5.3%) Average In:777.2 kb/s (0.8%)

Max Out:3080.1 kb/s (3.1%) Average Out:604.2 kb/s (0.6%)

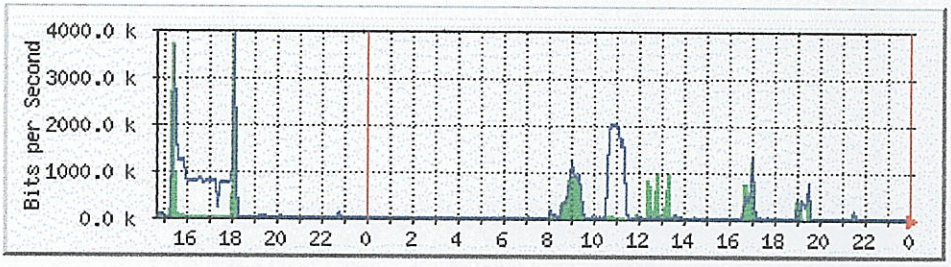
Router APJ Bandung (13 – 20 Oktober 2004)



Max In:791.9 kb/s (0.8%) Average In:45.8 kb/s (0.0%)

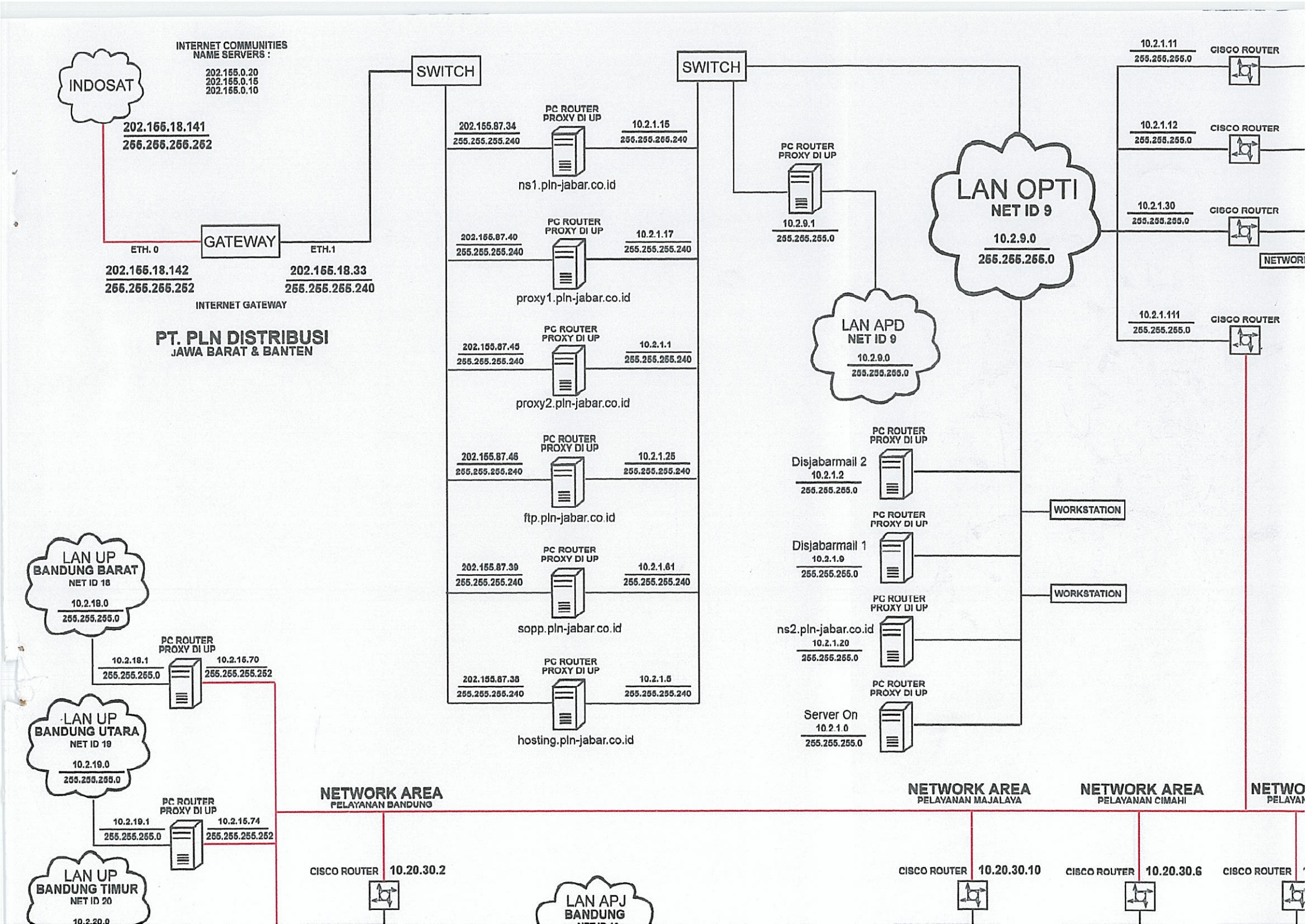
Max Out:1802.6 kb/s (1.8%) Average Out:68.0 kb/s (0.1%)

Laporan Per Hari



Max In:3881.1 kb/s (3.9%) Average In:106.7 kb/s (0.1%)

Max Out:3946.0 kb/s (3.9%) Average Out:193.9 kb/s (0.2%)


INTERNET COMMUNITIES
NAME SERVERS :
202.155.0.20
202.155.0.15
202.155.0.10
INDOSAT
202.155.18.141
255.255.255.252
GATEWAY
ETH. 0
ETH.1
202.155.18.142
255.255.255.252
202.155.18.33
255.255.255.240
INTERNET GATEWAY
PT. PLN DISTRIBUSI
JAWA BARAT & BANTEN
SWITCH
SWITCH
PC ROUTER
PROXY DI UP
202.155.87.34
255.255.255.240
10.2.1.15
255.255.255.240
ns1.pln-jabar.co.id
202.155.87.40
255.255.255.240
10.2.1.17
255.255.255.240
proxy1.pln-jabar.co.id
202.155.87.45
255.255.255.240
10.2.1.1
255.255.255.240
proxy2.pln-jabar.co.id
202.155.87.46
255.255.255.240
10.2.1.25
255.255.255.240
ftp.pln-jabar.co.id
202.155.87.39
255.255.255.240
10.2.1.61
255.255.255.240
sopp.pln-jabar.co.id
202.155.87.38
255.255.255.240
10.2.1.5
255.255.255.240
hosting.pln-jabar.co.id
10.2.9.1
255.255.255.0
LAN OPTI
NET ID 9
10.2.9.0
255.255.255.0
LAN APD
NET ID 9
10.2.9.0
255.255.255.0
Disjabarmail 2
10.2.1.2
255.255.255.0
Disjabarmail 1
10.2.1.9
255.255.255.0
ns2.pln-jabar.co.id
10.2.1.20
255.255.255.0
Server On
10.2.1.0
255.255.255.0
WORKSTATION
WORKSTATION
10.2.1.11
255.255.255.0
CISCO ROUTER
10.2.1.12
255.255.255.0
CISCO ROUTER
10.2.1.30
255.255.255.0
CISCO ROUTER
10.2.1.111
255.255.255.0
CISCO ROUTER
LAN UP
BANDUNG BARAT
NET ID 18
10.2.18.0
255.255.255.0
10.2.18.1
255.255.255.0
10.2.15.70
255.255.255.252
LAN UP
BANDUNG UTARA
NET ID 19
10.2.19.0
255.255.255.0
10.2.19.1
255.255.255.0
10.2.15.74
255.255.255.252
LAN UP
BANDUNG TIMUR
NET ID 20
NETWORK AREA
PELAYANAN BANDUNG
NETWORK AREA
PELAYANAN MAJALAYA
NETWORK AREA
PELAYANAN CIMAHI
CISCO ROUTER
10.20.30.2
LAN APJ
BANDUNG
CISCO ROUTER
10.20.30.10
CISCO ROUTER
10.20.30.6
CISCO ROUTER