

DAFTAR GAMBAR

Gambar 2. 1 Infrastruktur Data Center Perusahaan	6
Gambar 2. 2 Infrastruktur Data center PUTI.....	7
Gambar 2. 3 Bottom-Up Approach.....	9
Gambar 2. 4 Top-Down Approach	10
Gambar 3. 1 Ilustrasi Algoritma Round Robin.....	15
Gambar 3. 2 Ilustrasi Algoritma Weighted Roud Robin.....	16
Gambar 3. 3 Ilustrasi Algoritma Resource Based.....	17
Gambar 3. 4 Flow chart Algoritma Resource Based	26
Gambar 3. 5 Environment sistem.....	27
Gambar 3. 6 Topologi <i>Data Center</i> General	27
Gambar 3. 7 Topologi Pengujian	28
Gambar 3. 8 Flow Chart Pengujian Algoritma.....	29
Gambar 4. 1 Arsitektur SDN	32
Gambar 4. 2 Gambaran Umum Sistem	33
Gambar 5. 1 Menjalankan <i>file</i> cmd_add.py.....	63
Gambar 5. 2 Menjalankan <i>file</i> start_test_topo.py	63
Gambar 5. 3 Menjalankan xterm	63
Gambar 5. 4 Menjalankan server pada Round Robin	64
Gambar 5. 5 Menjalankan pengujian Round Robin.....	64
Gambar 5. 6 Tampilan Node:h1 pengujian Round Robin.....	64
Gambar 5. 7 Tampilan h2, h3, h4, dan h5 pada Round Robin	65
Gambar 5. 8 Menjalankan <i>file</i> cmd_add.py pada Weighted Round Robin.....	67
Gambar 5. 9 Menjalankan <i>file</i> start_test_topo.py pada Weighted Round Robin	67
Gambar 5. 10 Menjalankan Xterm pada Weighted Round Robin.....	68
Gambar 5. 11 Menjalankan server pada Weighted Round Robin	68
Gambar 5. 12 Menjalankan pengujian pada Weighted Round Robin.....	68
Gambar 5. 13 Tampilan Node:h1 pengujian Weighted Round Robin.....	69
Gambar 5. 14 Tampilan h2, h3, h4, dan h5 pada Weighted Round Robin	70
Gambar 5. 15 Kode pengujian <i>response time</i> pada Resource Based.....	72
Gambar 5. 16 <i>Login</i> ONOS	73
Gambar 5. 17 Tampilan ONOS	73
Gambar 5. 18 Mulai pengujian <i>response time</i> Resource Based	74

Gambar 5. 19 File Hasil Pengujian <i>Response Time</i>	74
Gambar 5. 20 Kode Pengujian <i>Throughput</i> Algoritma Resource Based	75
Gambar 5. 21 <i>Login</i> ONOS	75
Gambar 5. 22 Tampilan ONOS	76
Gambar 5. 23 Mulai pengujian <i>throughput</i> Algoritma Resource Based.....	77
Gambar 5. 24 Hasil <i>file</i> pengujian <i>throughput</i> Algoritma Resource Based.....	77
Gambar 5. 25 <i>Throughput</i> Algoritma Round Robin	79
Gambar 5. 26 <i>Response Time</i> Algoritma Round Robin.....	80
Gambar 5. 27 <i>Request Loss</i> Algoritma Round Robin	81
Gambar 5. 28 Distribusi <i>Request</i> Algoritma Round Robin.....	83
Gambar 5. 29 <i>Throughput</i> Algoritma Weighted Round Robin	85
Gambar 5. 30 <i>Response time</i> Algoritma Weighted Round Robin	86
Gambar 5. 31 <i>Request loss</i> Algoritma Weighted Round Robin	88
Gambar 5. 32 Distribusi <i>Request</i> Algoritma Weighted Round Robin.....	89
Gambar 5. 33 <i>Throughput</i> Algoritma Resource Based 4096-8064 <i>request</i>	91
Gambar 5. 34 Rincian Rata-Rata <i>Throughput</i> Algoritma Resource Based 7072 dan 8064 <i>Request</i>	92
Gambar 5. 35 Rata-Rata <i>Throughput</i> Algoritma Resource Based 10.048-200.512 <i>Request</i> ..	93
Gambar 5. 36 Rata-Rata <i>Response Time</i> Algoritma Resource Based 4096-8064 <i>Request</i>	94
Gambar 5. 37 Rata-Rata <i>Response Time</i> dengan 10.048 Hingga 200.512 <i>Request</i>	95
Gambar 5. 38 Rata-Rata <i>Request Loss</i> Algoritma Resource Based 4096-8064 <i>Request</i>	96
Gambar 5. 39 Rata-Rata <i>Request Loss</i> Algoritma Resource Based 10.048-200.512 <i>Request</i> ..	96
Gambar 5. 40 Distribusi <i>Request</i> Algoritma Resource Based.....	97
Gambar 5. 41 Skenario Server 1 Dimatikan.....	100
Gambar 5. 42 Skenario Server 2 Dimatikan.....	100
Gambar 5. 43 Skenario Server 3 Dimatikan.....	101
Gambar 5. 44 Skenario Server 4 Dimatikan.....	102