

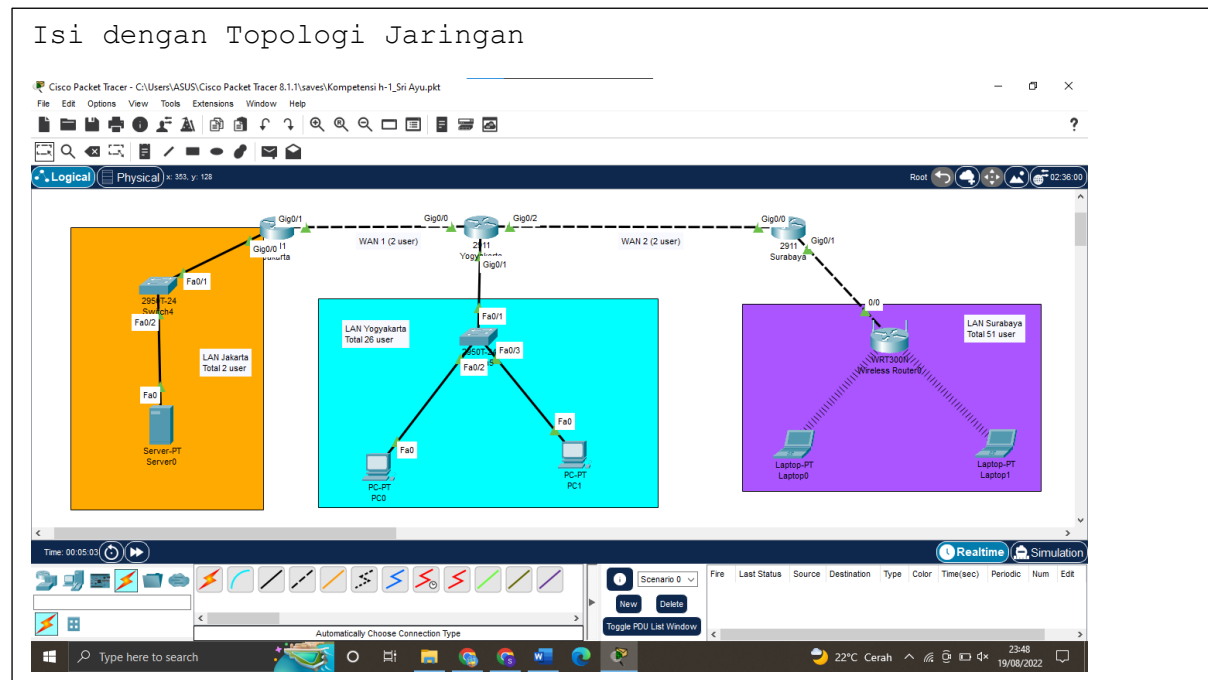


LAPORAN PESERTA UJI KOMPETENSI SKEMA NETWORK ADMINISTRATOR MADYA LSP TEKNOLOGI DIGITAL

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PELATIHAN VOCATIONAL SCHOOL GRADUATE ACADEMY - DIGITAL TALENT SCHOLARSHIP
2022. KOTA TANGERANG SELATAN
BATCH 2 TAHUN 2022

TOPOLOGI JARINGAN



KONFIG ROUTER JAKARTA

Isi dengan Konfigurasi Router Jakarta

```
Router>ena
Router#conf t
Router(config)#int gig0/0
Router(config-if)#ip add 192.168.28.1 255.255.255.224
Router(config-if)#no shut

Router(config-if)#
Router(config-if)#int gig0/1
Router(config-if)#ip add 192.168.28.33 255.255.255.224
Router(config-if)#no shut
```



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KONFIG ROUTER YOGYAKARTA

Isi dengan Konfigurasi Router Yogyakarta

```
Router>ena
Router#conf t
Router(config)#int gig0/0
Router(config-if)#ip add 192.168.28.34 255.255.255.224
Router(config-if)#no shut

Router(config-if)#int gig0/1
Router(config-if)#ip add 192.168.28.65 255.255.255.224
Router(config-if)#no shut
```

KONFIG ROUTER SURABAYA

Isi dengan Konfigurasi Router Surabaya

```
Router>ena
Router#conf t
Router(config)#int gig0/0
Router(config-if)#ip add 192.168.28.98 255.255.255.224
Router(config-if)#no shut

Router(config-if)#int gig0/1
Router(config-if)#ip add 192.168.28.129 255.255.255.224
Router(config-if)#no shut
```



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KONFIG WEBSERVER, DATABASE SERVER DAN DNS SERVER

Isi dengan Konfigurasi Webserver, Database Server dan DNS Server

The first screenshot shows the 'IP Configuration' window for 'Server0'. It is configured with a static IPv4 address of 192.168.28.2, subnet mask 255.255.255.224, default gateway 192.168.28.1, and DNS server 0.0.0.0. The IPv6 configuration is also set to static with a link-local address of FE80::200:FFFF:FE15:145C.

The second screenshot shows the 'Services' window for 'Server0'. The 'HTTP' service is enabled (On). The 'HTTPS' service is disabled (Off). A file manager table shows one file named 'index.html'.

No.	Name	Type	Detail
1	index.html	(edit)	(delete)

The third screenshot shows the 'DNS' configuration window for 'Server0'. The 'DNS Service' is enabled (On). The 'Resource Records' section shows a table with one record:

No.	Name	Type	Detail
0	sriayu.id	A Record	192.168.28.2



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KONFIG ACCESSPOINT

Isi dengan Konfigurasi Access Point

Wireless Router0

Physical Config GUI Attributes

Wireless-N Broadband Router

Firmware Version: v

Wireless-N Broadband Router WRT3000

Setup Setup Wireless Security Access Restrictions Applications & Gaming Administration Status

Basic Setup Wireless Security Guest Network Wireless MAC Filter Advanced Wireless Settings

Internet Setup

Internet Connection type: Static IP

Internet IP Address: 192 . 168 . 28 . 130

Subnet Mask: 255 . 255 . 255 . 224

Default Gateway: 192 . 168 . 28 . 129

DNS 1: 192 . 168 . 28 . 2

DNS 2 (Optional): 0 . 0 . 0 . 0

DNS 3 (Optional): 0 . 0 . 0 . 0

Host Name:

Domain Name:

MTU: Size: 1500

Optional Settings (required by some internet service providers)

Help...

Wireless Router0

Physical Config GUI Attributes

Wireless-N Broadband Router

Firmware Version: v

Wireless-N Broadband Router WRT3000

Wireless Setup Wireless Security Access Restrictions Applications & Gaming Administration Status

Basic Wireless Settings Wireless Security Guest Network Wireless MAC Filter Advanced Wireless Settings

Basic Wireless Settings

Network Mode: Mixed

Network Name (SSID): SriAyu

Radio Band: Auto

Wide Channel: Auto

Standard Channel: 1 - 2.412GHz

SSID Broadcast: ☒ Enabled ☐ Disabled

Help...

Wireless Router0

Physical Config GUI Attributes

Wireless-N Broadband Router

Firmware Version: v0.93.3

Wireless-N Broadband Router WRT3000

Wireless Setup Wireless Security Access Restrictions Applications & Gaming Administration Status

Basic Wireless Settings Wireless Security Guest Network Wireless MAC Filter Advanced Wireless Settings

Wireless Security

Security Mode: WPA2 Personal

Encryption: AES

Passphrase: 12345678

Key Renewal: 3600 seconds

Help...



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PENGUJIAN KONFIG ROUTING OSPF

Isi dengan Konfigurasi Routing

Routing Jakarta

```
Router#conf t
Router(config)#route ospf 30
Router(config-router)#netw 192.168.28.1 0.0.0.31 area 30
Router(config-router)#netw 192.168.28.33 0.0.0.31 area 30
Router(config-router)#exit
Router(config)#
00:35:05: %OSPF-5-ADJCHG: Process 30, Nbr 192.168.30.97 on
GigabitEthernet0/1 from LOADING to FULL, Loading Done
```

Routing Yogyakarta

```
Router>ena
Router#conf t
Router(config)#route ospf 30
Router(config-router)#netw 192.168.28.34 0.0.0.31 area 30
Router(config-router)#netw 192.168.28.65 0.0.0.31 area 30
Router(config-router)#netw 192.168.28.97 0.0.0.31 area 30
Router(config-router)#exit
Router(config)#exit
00:35:02: %OSPF-5-ADJCHG: Process 30, Nbr 192.168.28.33 on
GigabitEthernet0/0 from LOADING to FULL, Loading Done
```

Routing Surabaya

```
Router>ena
Router#conf t
Router(config)#route ospf 30
Router(config-router)#netw 192.168.28.98 0.0.0.31 area 30
Router(config-router)#netw 192.168.28.129 0.0.0.31 area 30
Router(config-router)#ex
Router(config)#ex
00:36:14: %OSPF-5-ADJCHG: Process 30, Nbr 192.168.28.97 on
GigabitEthernet0/0 from LOADING to FULL, Loading Done
```



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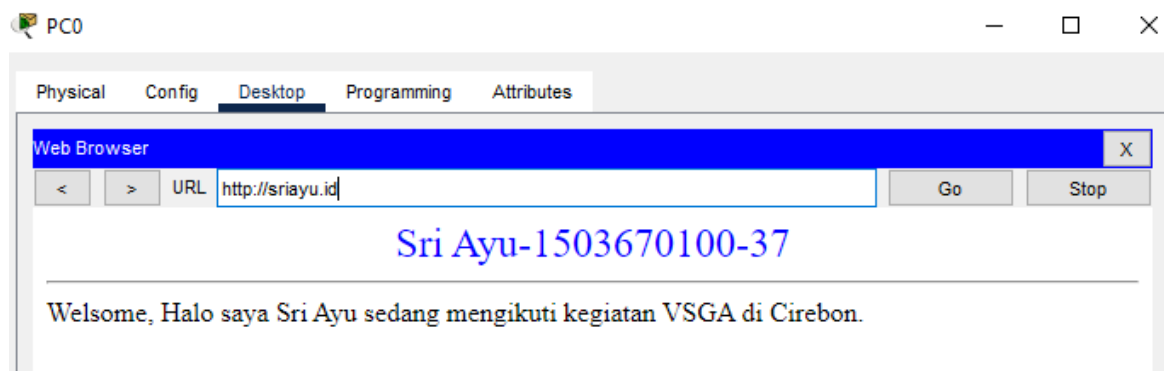
2022. KOTA TANGERANG SELATAN

BATCH 2 TAHUN 2022

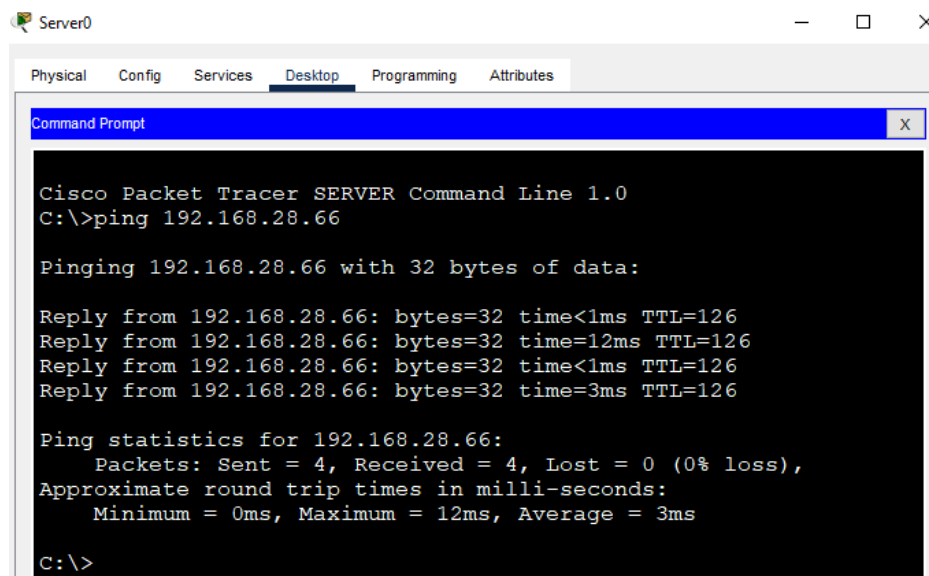
PENGUJIAN AKSES SERVER DARI LAN YOGYAKARTA

Isi dengan Pengujian

Menguji dari PC 0 yang ada di LAN Yogyakarta ke Server dengan Web browser



Menguji dari server ke PC 0 dengan command prompt





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PENGUJIAN AKSES SERVER DARI LAN SURABAYA

Isi dengan Pengujian

Menguji dari Laptop 2 yang ada di LAN Surabaya ke Server dengan Command Promft

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.28.2

Pinging 192.168.28.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.28.2: bytes=32 time=13ms TTL=124
Reply from 192.168.28.2: bytes=32 time=17ms TTL=124
Reply from 192.168.28.2: bytes=32 time=11ms TTL=124

Ping statistics for 192.168.28.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 11ms, Maximum = 17ms, Average = 13ms

C:\>
```