

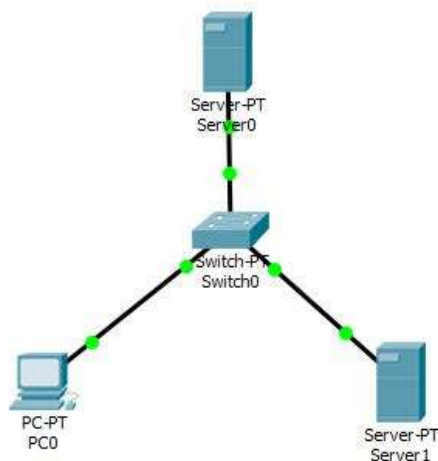
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Kelas : B

Kegiatan

1. Desain jaringan



2. Konfigurasi Server 0

The screenshot shows the 'Server0' configuration window with the 'Config' tab selected. The 'IP Configuration' section is expanded, showing the following settings:

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	192.168.123.1
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	
Link Local Address	FE80::202:4AFF:FEB7:5A4B
IPv6 Gateway	
IPv6 DNS Server	

At the bottom left of the window, there is a checkbox labeled 'Top' which is currently unchecked.

3. Konfigurasi Server 1

The screenshot shows the 'Server1' configuration window with the 'Config' tab selected. The 'IP Configuration' sub-tab is active, displaying settings for both IPv4 and IPv6. The IPv4 section has 'Static' selected, with IP Address '192.168.123.2', Subnet Mask '255.255.255.0', Default Gateway '0.0.0.0', and DNS Server '0.0.0.0'. The IPv6 section has 'Static' selected, with a blank IPv6 Address field, Link Local Address 'FE80::2E0:A3FF:FEAE:CE8', and blank fields for IPv6 Gateway and IPv6 DNS Server. A 'Top' button is at the bottom left.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	192.168.123.2
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	/
Link Local Address	FE80::2E0:A3FF:FEAE:CE8
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

4. Konfigurasi PC

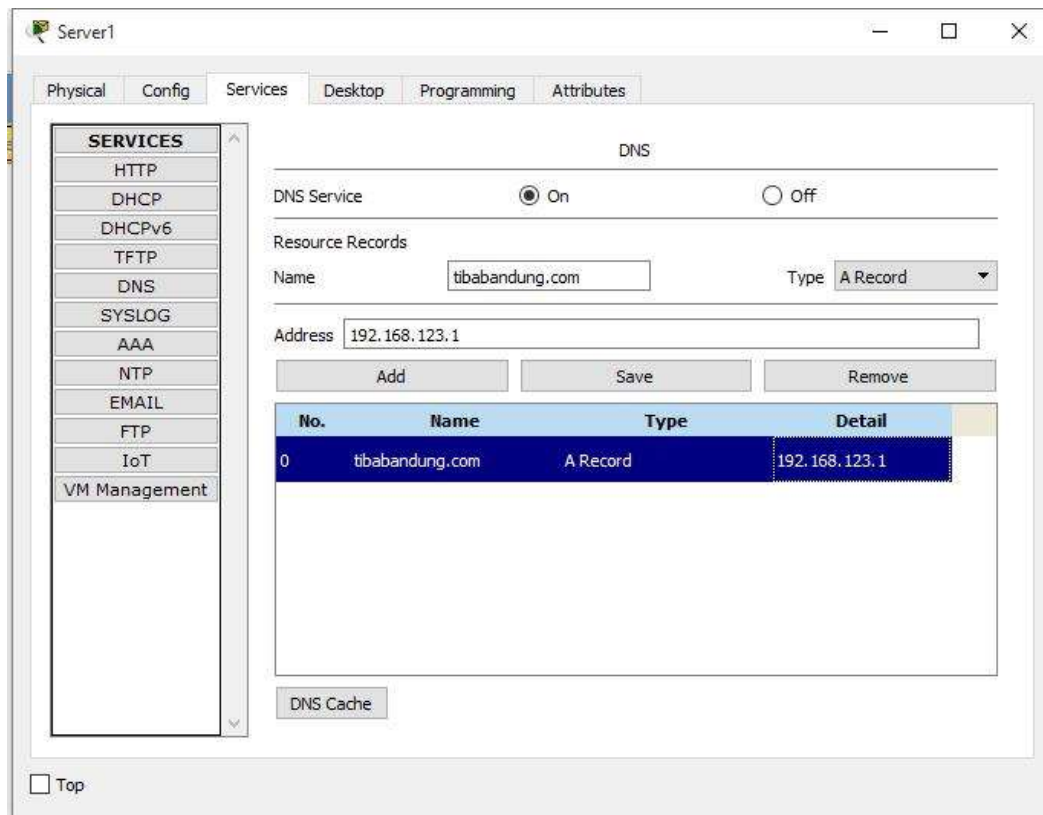
The screenshot shows the 'PC0' configuration window with the 'Config' tab selected. The 'IP Configuration' sub-tab is active, displaying settings for both IPv4 and IPv6. The IPv4 section has 'Static' selected, with IP Address '192.168.123.3', Subnet Mask '255.255.255.0', Default Gateway '0.0.0.0', and DNS Server '192.168.123.2'. The IPv6 section has 'Static' selected, with a blank IPv6 Address field, Link Local Address 'FE80::20A:41FF:FE3A:D127', and blank fields for IPv6 Gateway and IPv6 DNS Server. A 'Top' button is at the bottom left.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	192.168.123.3
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0
DNS Server	192.168.123.2

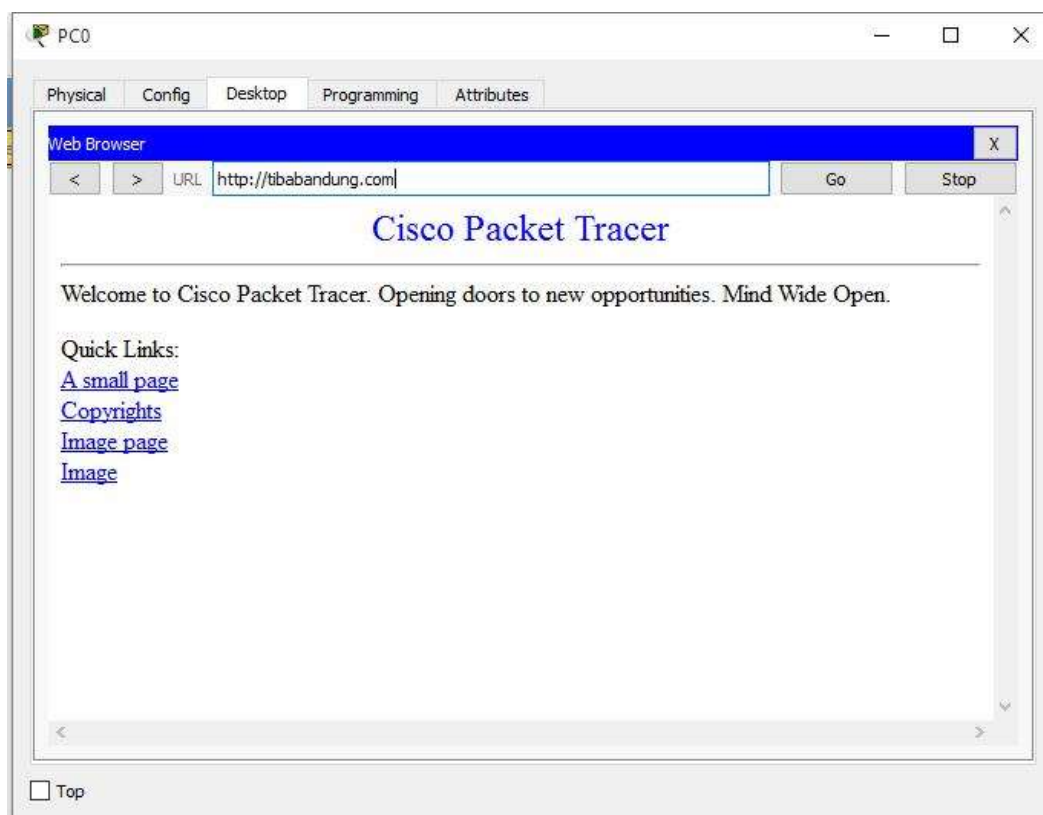
IPv6 Configuration	
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static	
IPv6 Address	/
Link Local Address	FE80::20A:41FF:FE3A:D127
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

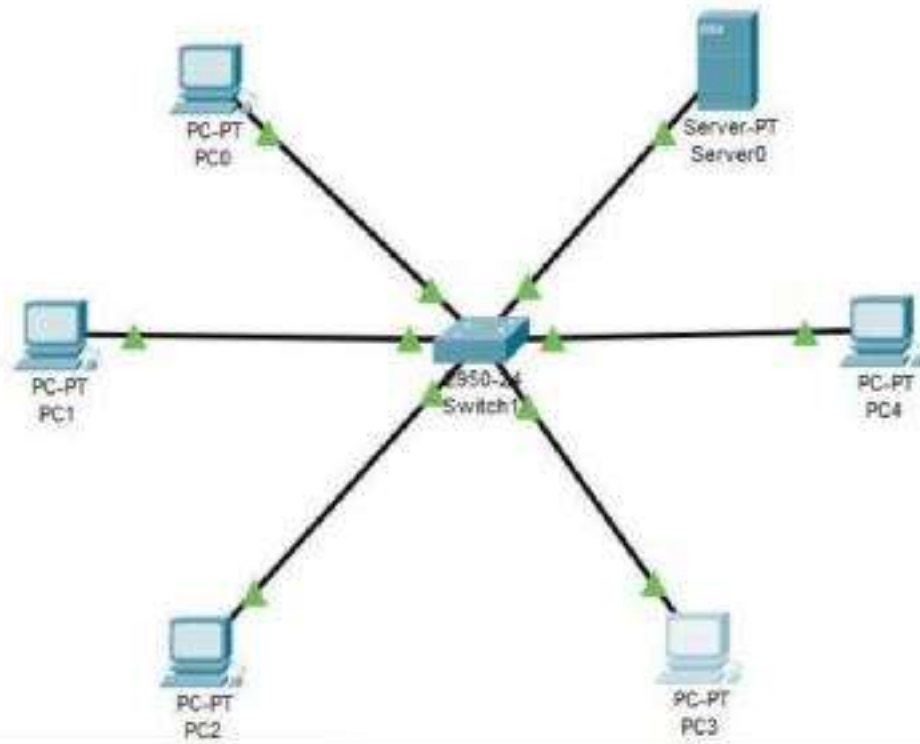
5. Konfigurasi DNS Server 1



6. Membuka alamat dari PC 0. Dikarenakan tidak diajari cara di isi link jadi hasilnya default.



Tugas



Melakukan konfigurasi pada server 0

The screenshot shows the 'Config' tab for 'FastEthernet0' on 'Server0'. The left sidebar has 'INTERFACE' selected, with 'FastEthernet0' highlighted. The main area shows the following settings:

- Port Status:** ☒ On
- Bandwidth:** ☒ 100 Mbps, ☐ 10 Mbps, ☒ Auto
- Duplex:** ☐ Half Duplex, ☒ Full Duplex, ☒ Auto
- MAC Address:** 0030.A3A4.C672
- IP Configuration:** ☐ DHCP, ☒ Static
- IP Address:** 192.168.123.1
- Subnet Mask:** 255.255.255.0
- IPv6 Configuration:** ☐ DHCP, ☐ Auto Config, ☒ Static
- IPv6 Address:** (empty field)
- Link Local Address:** FE80::230:A3FF:FEA4:C672

At the bottom left, there is a 'Top' button.

Mengubah DNS server o menjadi on dan dan menambah domain tifums.com dengan ip address 192.168.123.1

The screenshot shows the 'Services' tab for 'Server0'. The left sidebar has 'SERVICES' selected, with 'DNS' highlighted. The main area shows the following settings:

- DNS Service:** ☒ On, ☐ Off
- Resource Records:**
- Name:** (empty field)
- Type:** A Record
- Address:** (empty field)
- Buttons:** Add, Save, Remove
- Table:**

No.	Name	Type	Detail
0	tifums.com	A Record	192.168.123.1

At the bottom left, there is a 'Top' button.

Mengubah servise pada DHCP menjadi on kemudian mengisi DNS server menjadi 192.168.123.1, kemudian klik save.

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP**
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 0.0.0.0

DNS Server: 192.168.123.1

Start IP Address: 192.168.123.2

Subnet Mask: 255.255.255.0

Maximum Number of Users: 254

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	192.168.123.1	192.168.123.2	255.255.255.0	254	0.0.0.0	0.0.0.0

☐ Top

Melakukan konfigurasi ip address pada setiap pc menggunakan DHCP dengan mengubah mode ip configuration menjadi DHCP sehingga tidak perlu menambahkan ip address secara manual, karena akan terisi secara otomatis

PC0

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful

IP Address 192.168.123.2

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.123.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::20C:CFFF:FE00:A24B

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC1

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful

IP Address 192.168.123.3

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.123.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::201:97FF:FE01:6581

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC2

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful.

IP Address 192.168.123.4

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.123.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::203:E4FF:FE4E:2720

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC3

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful.

IP Address 192.168.123.5

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.123.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::250:FFF:FE6D:95

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC4

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful.

IP Address 192.168.123.6

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.123.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::201:97FF:FEA8:74AE

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

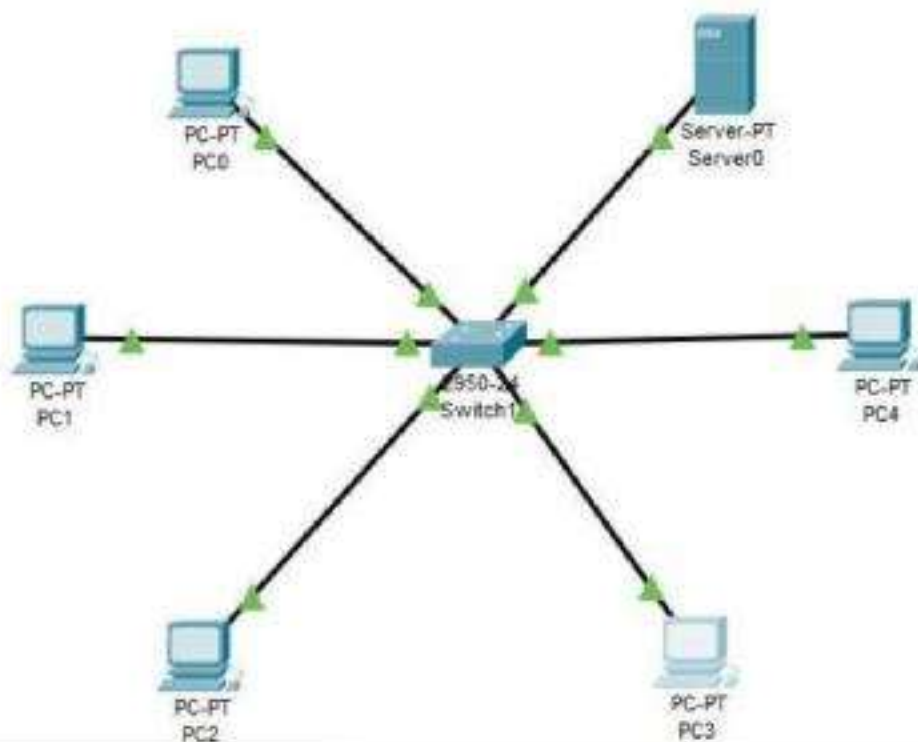
Username

Password

☐ Top

Melakukan browsing http ke domain pada setiap pc untuk melihat apakah berhasil atau tidak

Tugas



Melakukan konfigurasi pada server 0

Server0

Physical **Config** Services Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0030.A3A4.C672

IP Configuration

☐ DHCP

☒ Static

IP Address 192.168.123.1

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: FE80::230:A3FF:FEA4:C672

☐ Top

Mengubah DNS server o menjadi on dan dan menambah domain tifums.com dengan ip address 192.168.123.1

Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DNS

DNS Service ☒ On ☐ Off

Resource Records

Name Type A Record

Address

Add Save Remove

No.	Name	Type	Detail
0	tifums.com	A Record	192.168.123.1

DNS Cache

☐ Top

Mengubah servise pada DHCP menjadi on kemudian mengisi DNS server menjadi 192.168.123.1, kemudian klik save.

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP**
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 0.0.0.0

DNS Server: 192.168.123.1

Start IP Address: 192 168 123 2

Subnet Mask: 255 255 255 0

Maximum Number of Users: 254

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	192.168.123.1	192.168.123.2	255.255.255.0	254	0.0.0.0	0.0.0.0

☐ Top

Melakukan konfigurasi ip address pada setiap pc menggunakan DHCP dengan mengubah mode ip configuration menjadi DHCP sehingga tidak perlu menambahkan ip address secara manual, karena akan terisi secara otomatis

PC0

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful

IP Address 192.168.123.2

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.123.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::20C:CFFF:FE00:A24B

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Top

PC1

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful

IP Address 192.168.123.3

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.123.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::201:97FF:FE01:6581

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Top

PC2

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful.

IP Address 192.168.123.4

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.123.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::203:E4FF:FE4E:2720

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC3

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful.

IP Address 192.168.123.5

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.123.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::250:FFF:FE6D:95

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC4

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful.

IP Address 192.168.123.6

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 192.168.123.1

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::201:97FF:FEA8:74AE

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

Melakukan browsing http ke domain pada setiap pc untuk melihat apakah berhasil atau tidak

