

LAPORAN AKHIR PRAKTIKUM

Mata Praktikum : JARINGAN KOMPUTER
Kelas : 3IA11
Praktikum ke- : 2
Tanggal : 22/10/2024
Materi : PENGENALAN IMK
NPM : 51422161
Nama : MUHAMMAD TARMIDZI BARIQ
Ketua Asisten : RAFI
Jumlah Lembar : 7



LABORATORIUM TEKNIK INFORMATIKA

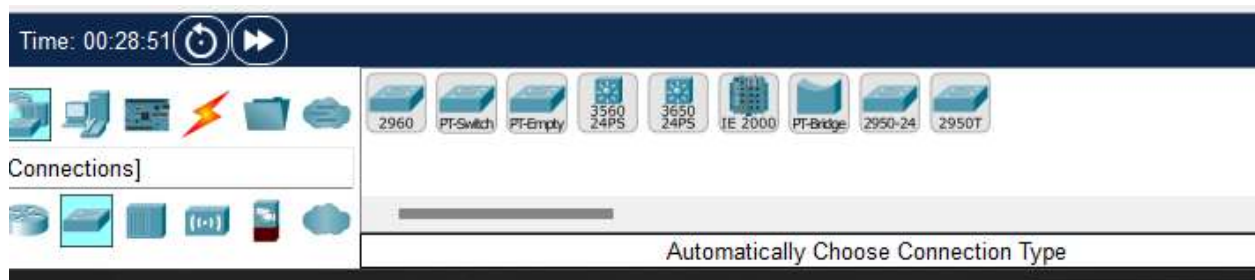
UNIVERSITAS GUNADARMA

2024

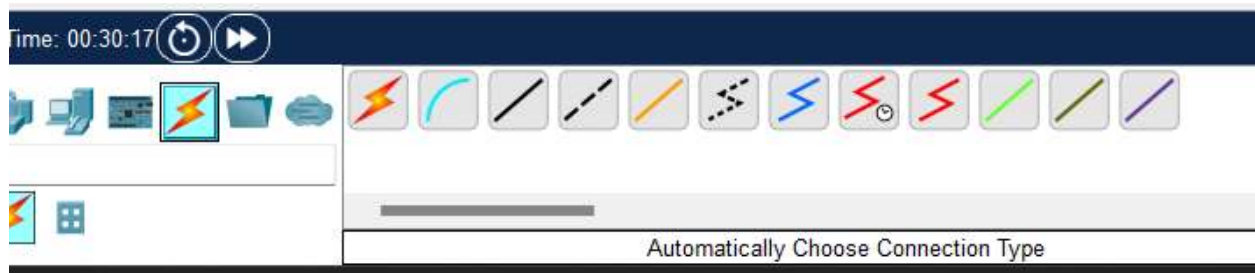
1. Tambahkan server dan 5 PC



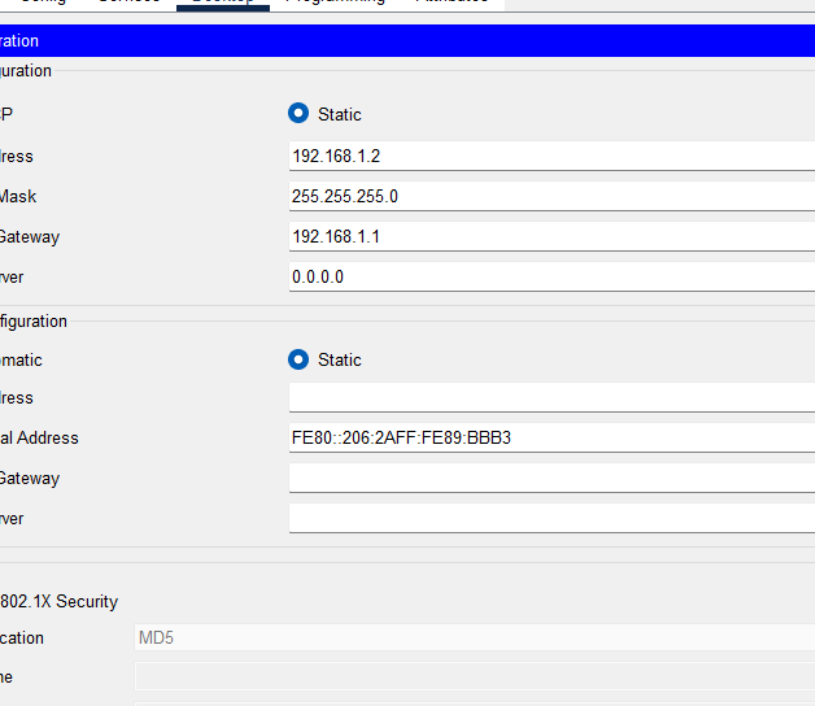
2. Tambahkan switch 2950-24



3. Tambahkan Kabel Automatically Choose Connection Type ke perangkat PC, SWITCH dan SERVER



3. Konfigurasi Server0 pada IP Configuration



Server0

Physical Config Services **Desktop** Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::206:2AFF:FE89:BBB3

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

4. konfigurasi Server0 pada DHCP

Server0

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: 192.168.1.1

DNS Server: 0.0.0.0

Start IP Address: 192.168.1.3

Subnet Mask: 255.255.255.0

Maximum Number of Users: 253

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Buttons: Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.1.1	0.0.0.0	192.168.1.3	255.255.255.0	253	0.0.0.0	0.0.0.0

5. Konfigurasi PC3 IP Address

PC3

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration:

☒ DHCP ☐ Static DHCP failed. ARPAs is being used.

IPv4 Address: 10.254.32.27

Subnet Mask: 255.255.0.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration:

☐ Automatic ☒ Static

IPv6 Address: FE80:210:11FF:FE34:201B

Link Local Address: FE80:210:11FF:FE34:201B

Default Gateway:

DNS Server:

802.1X:

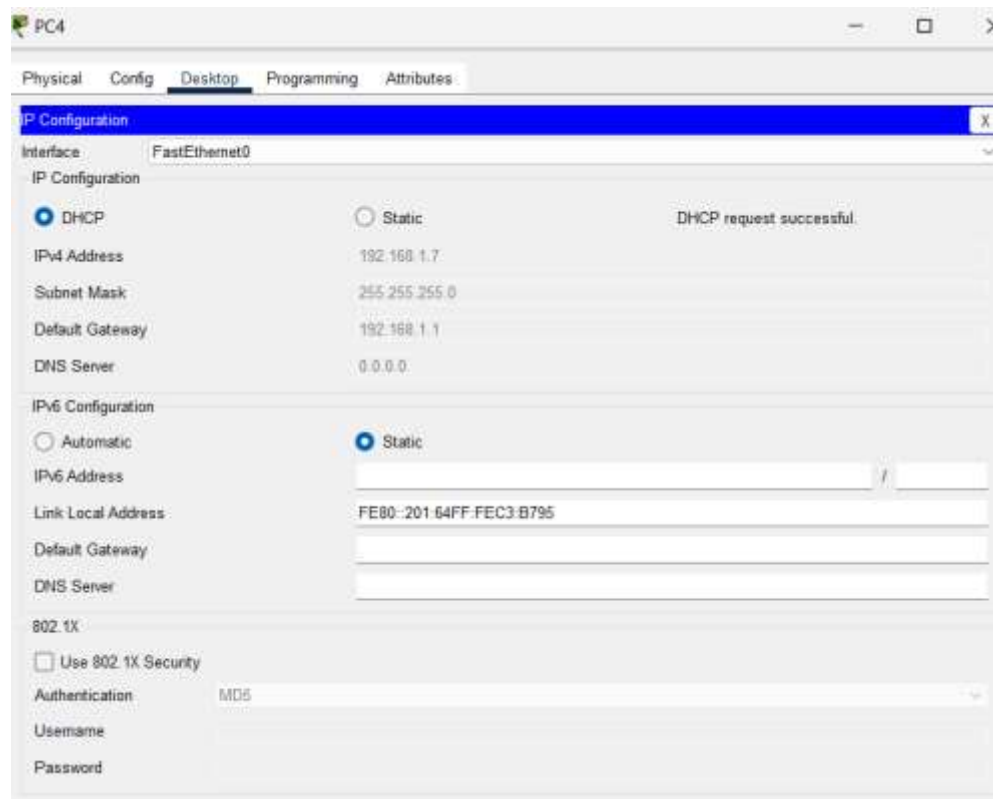
☐ Use 802.1X Security

Authentication: N/A

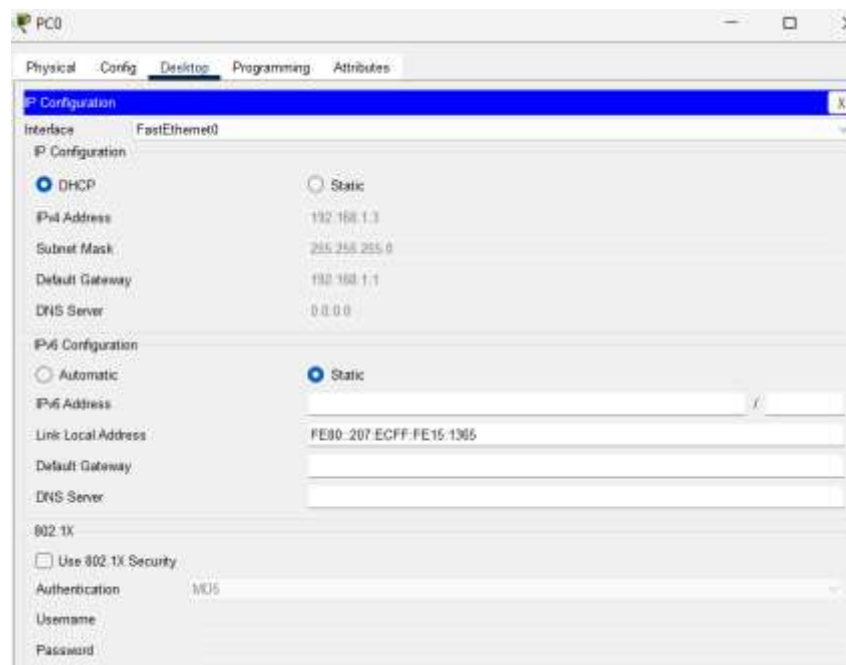
Username:

Password:

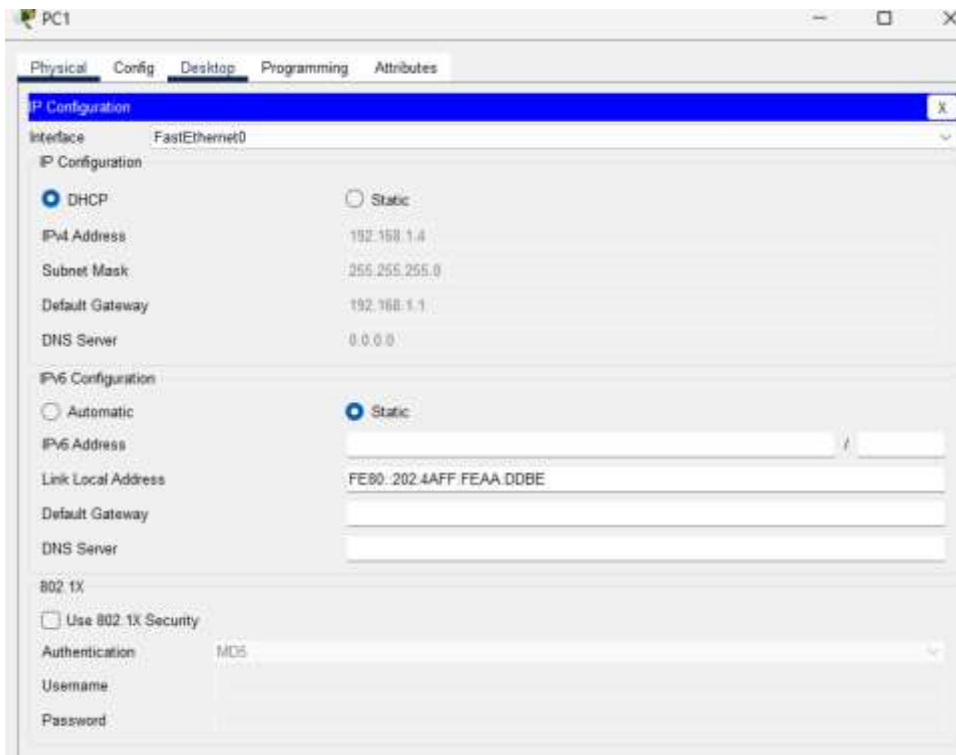
6. Konfigurasi PC4 IP Address



7. Konfigurasi PC0



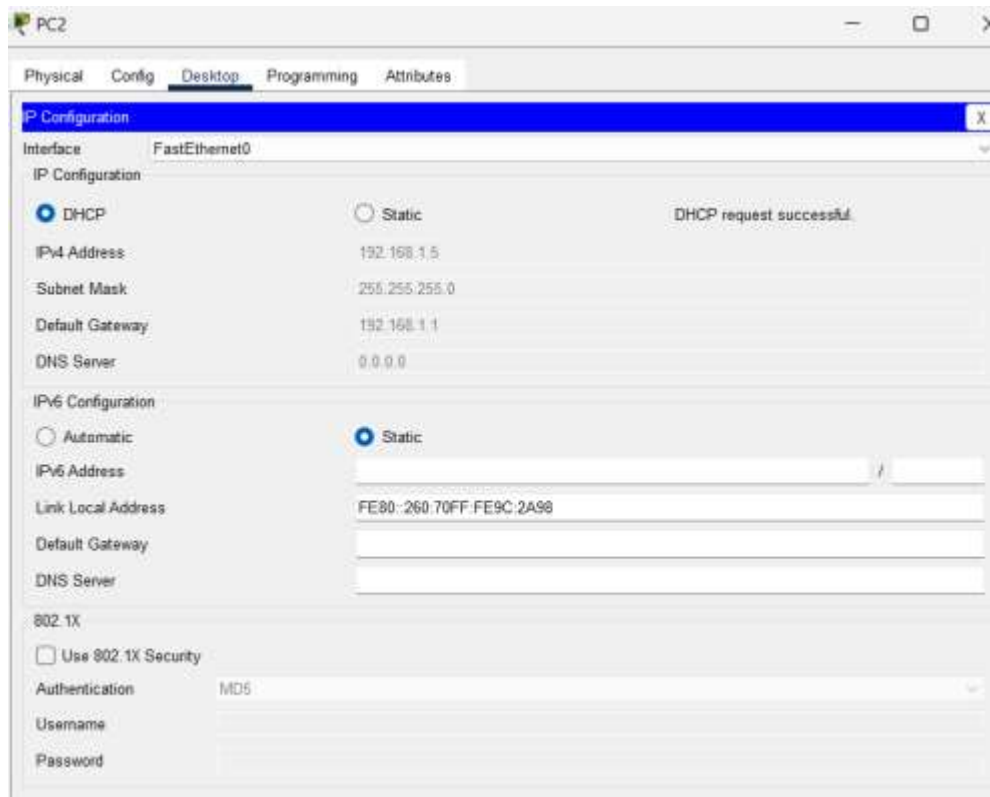
8. Konfigurasi PC1 IP Address



The screenshot shows the 'PC1' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is active, showing settings for the 'FastEthernet0' interface. The 'DHCP' option is selected under 'IP Configuration'. The 'IPv6 Configuration' section shows 'Static' selected. The '802.1X' section shows 'Use 802.1X Security' unchecked and 'Authentication' set to 'MD5'.

Interface	FastEthernet0
IP Configuration	
<input checked="" type="radio"/> DHCP	<input type="radio"/> Static
IPv4 Address	192.168.1.4
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DNS Server	0.0.0.0
IPv6 Configuration	
<input type="radio"/> Automatic	<input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::202:4AFF:FEAA:DDBE
Default Gateway	
DNS Server	
802.1X	
<input type="checkbox"/> Use 802.1X Security	
Authentication	MD5
Username	
Password	

9. Konfigurasi PC2 IP Address



The screenshot shows the 'PC2' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is active, showing settings for the 'FastEthernet0' interface. The 'DHCP' option is selected under 'IP Configuration'. The 'IPv6 Configuration' section shows 'Static' selected. The '802.1X' section shows 'Use 802.1X Security' unchecked and 'Authentication' set to 'MD5'. A message 'DHCP request successful' is displayed in the top right corner.

Interface	FastEthernet0	
IP Configuration		
<input checked="" type="radio"/> DHCP	<input type="radio"/> Static	DHCP request successful
IPv4 Address	192.168.1.5	
Subnet Mask	255.255.255.0	
Default Gateway	192.168.1.1	
DNS Server	0.0.0.0	
IPv6 Configuration		
<input type="radio"/> Automatic	<input checked="" type="radio"/> Static	
IPv6 Address		
Link Local Address	FE80::260:70FF:FE9C:2A98	
Default Gateway		
DNS Server		
802.1X		
<input type="checkbox"/> Use 802.1X Security		
Authentication	MD5	
Username		
Password		

10. Test Ping antar PC

Realtime Simulation										
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC2	PC0	ICMP		0.000	N	2	(edit)	(delete)
	Successful	PC4	PC3	ICMP		0.000	N	3	(edit)	(delete)
	Successful	PC3	PC2	ICMP		0.000	N	4	(edit)	(delete)

Realtime Simulation										
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC4	PC0	ICMP		0.000	N	5	(edit)	(delete)
	Successful	PC1	PC4	ICMP		0.000	N	6	(edit)	(delete)
	Successful	PC4	PC2	ICMP		0.000	N	7	(edit)	(delete)

12. KESELURUHAN

