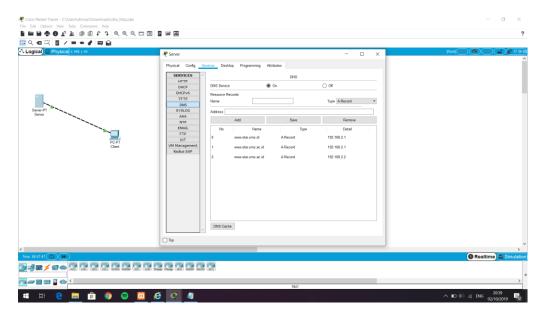
Nama: Dimas Kurniawan

NIM : L200170122

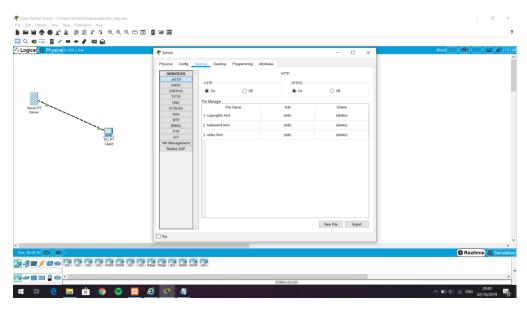
Kelas: A

Chapter 3. Application Layer Functionally & Protocol

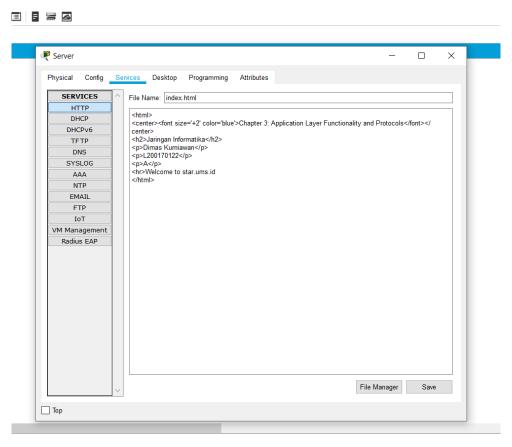


Membuat DNS pada SERVER dengan

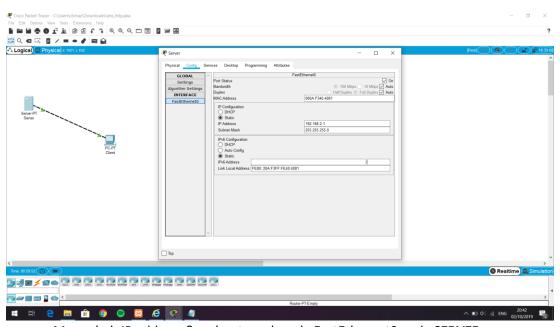
Nama: <u>www.star.ums.id</u> Address: 192.168.2.1



HTTP & HTTPS di ON kan

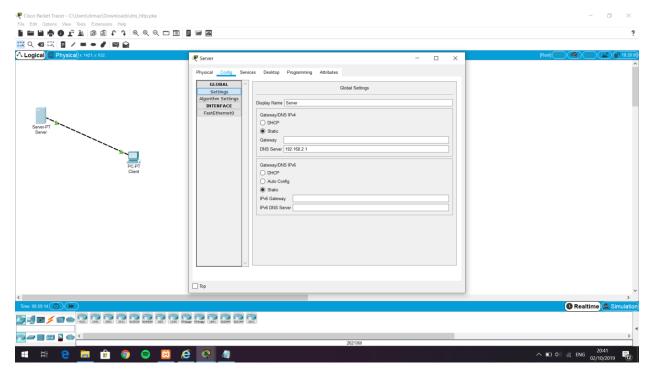


Mengedit index.html lalu "SAVE" dan "File Manager"

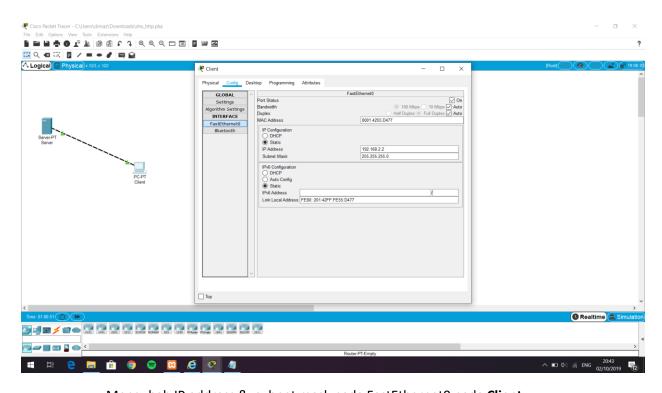


Mengubah IP address & subnet mask pada FastEthernet0 pada SERVER

IP Address : 192.168.2.1 Subnet Mask : 255.255.255.0

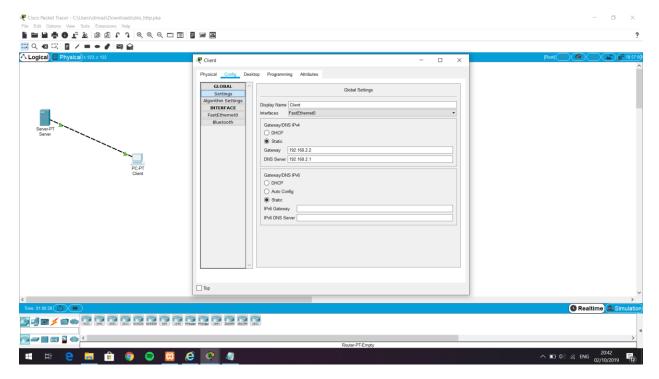


DNS Server: 192.168.2.1 (pada Settings di SERVER)

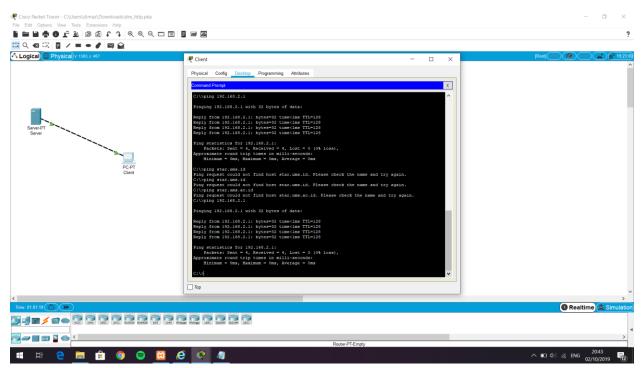


Mengubah IP address & subnet mask pada FastEthernet0 pada Client

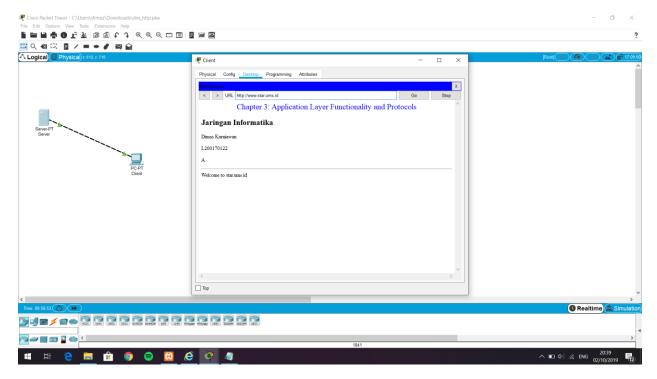
IP Address : 192.168.2.1 Subnet Mask : 255.255.255.0



DNS Server: 192.168.2.1 (pada Settings di CLIENT)



Cek "ping 192.168.2.1" melalui Command Prompt

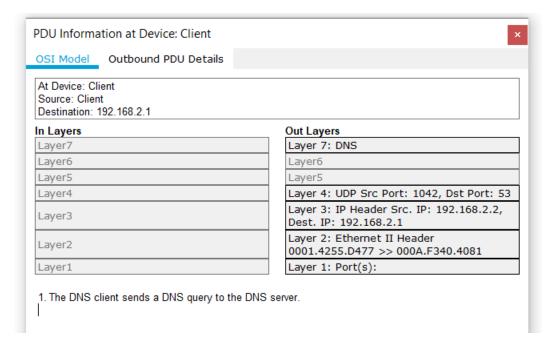


Cek "www.star.ums.id" melalui Web Browser pada Client

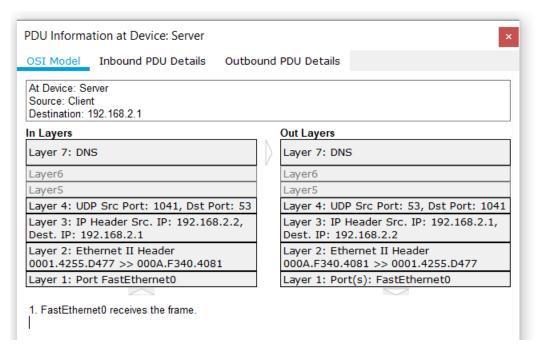
HASIL

OSI Model Outbound PDU Details	
At Device: Client Source: Client Destination: 192.168.2.1	
n Layers	Out Layers
Layer7	Layer 7: DNS
Layer6	Layer6
Layer5	Layer5
Layer4	Layer 4: UDP Src Port: 1041, Dst Port: 53
Layer3	Layer 3: IP Header Src. IP: 192.168.2.2, Dest. IP: 192.168.2.1
Layer2	Layer 2: Ethernet II Header 0001.4255.D477 >> 000A.F340.4081
Layer1	Layer 1: Port(s): FastEthernet0

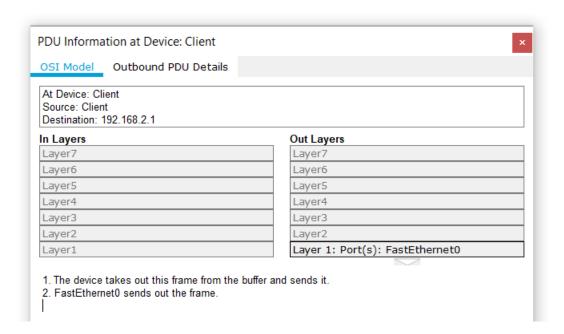
UDP, Source Port: 1041, Destination port: 53

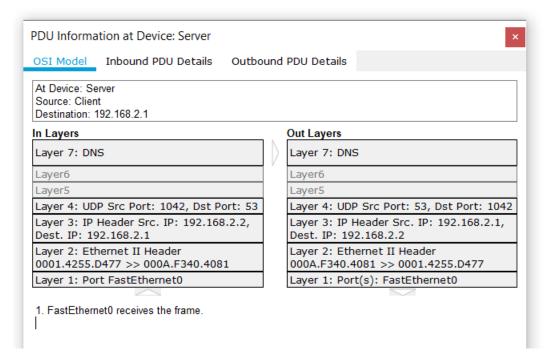


UDP, Source Port: 1042, Destination port: 53

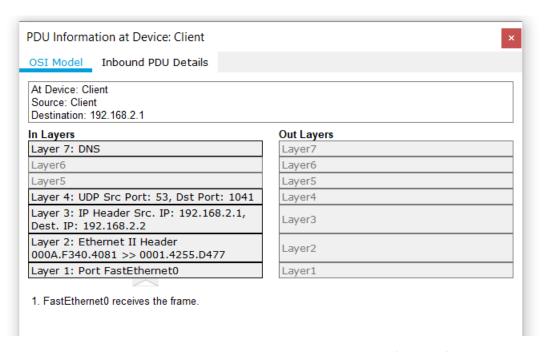


UDP, Source Port: 1041, Destination port: 53 (In Layer)
UDP, Destination port: 53, Source Port: 1041 (Out Layer)





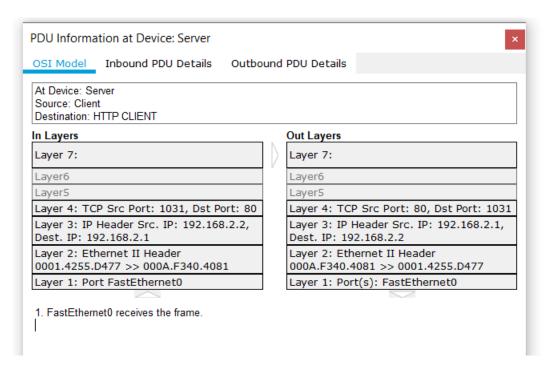
UDP, Source Port: 1042, Destination port: 53 (In Layer)
UDP, Destination port: 53, Source Port: 1042 (Out Layer)



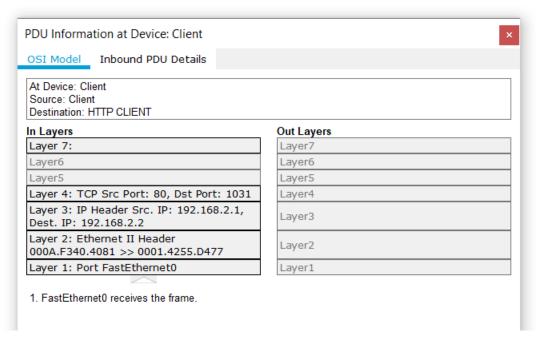
UDP, Source Port: 53, Destination port: 1041 (In Layer)

PDU Information at Device: Client	
OSI Model Outbound PDU Details	
At Device: Client Source: Client Destination: HTTP CLIENT	
n Layers	Out Layers
Layer7	Layer 7:
Layer6	Layer6
Layer5	Layer5
Layer4	Layer 4: TCP Src Port: 1031, Dst Port: 80
Layer3	Layer 3: IP Header Src. IP: 192.168.2.2, Dest. IP: 192.168.2.1
Layer2	Layer 2: Ethernet II Header 0001.4255.D477 >> 000A.F340.4081
Layer1	Layer 1: Port(s):

TCP, Source Port: 1031, Destination port: 80 (Out Layer)



TCP, Source Port: 1031, Destination port: 80 (In Layer)
TCP, Destination port: 80, Source Port: 1031 (Out Layer)



TCP, Source Port: 80, Destination port: 1031 (In Layer)