# Lampiran LKPD DNS ASJ

# Lembar Kerja Peserta Didik

**NILAI** 

Nama : Muhamad Dzakwan Ar Efendi

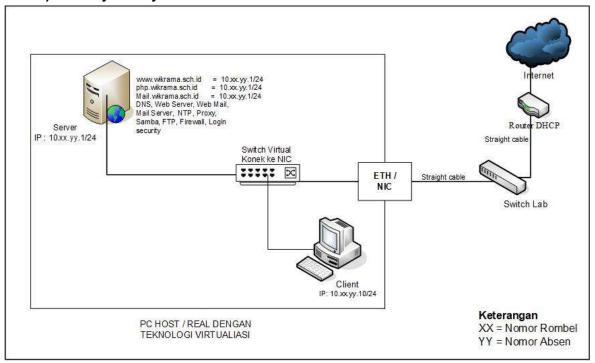
Nis : 12209161

Kelas : TJKT XI

Judul Materi : DNS Server

# Kegiatan 1:

#### a) Petunjuk Kerja:



### **Buatlah Konfigurasi DNS Server**

#### Pra-Install

Berdasarkan topologi diatas terdiri dari 1 PC Server Linux dan 1 PC/Laptop CLient yang sudah terinstal pada aplikasi virtualbox atau vmware workstation

1. Create VM

VM Name : Server\_Nama Siswa

Memory : 512 MB

Sistem Operasi : Linux – Debian 11 (Virtual) Net Adapter : - Bridge to Internet

- LAN Segment

IP Address : 10.xx.yy.1/ 24
Domain : srvnamaXY.net

Contoh: srvdanu76.net

2. PC/Laptop (Client)

IP Address : DHCP-Client : Windows / Linux

Pastikan Pada Sisi Client mendapatkan Ip dari Server

#### Keterangan

xx: Nomor Rombel

yy: Nomor Absen

XY: 2 Digit terakhir NIS

nama: Nama masing-masing

### Langkah Kerja

1. Instalasi dan konfigurasi DNS server

N	Konfigurasi	Hasil (Gambar)	Keterangan
0		razza_zre recetor protectoa_zre recetor	
1	Konfigurasi IP Address sesuai dengan topologi di atas	2: ens33: (GROADCAST,MULTICAST,UP,LOWER_UP) mtu 1500 qdisc en 1000  link/ether 00:0c:29:23:e3:88 brd ff:ff:ff:ff:ff:ff altname enp2s1 inet 12.12.3.39/24 brd 12.12.3.255 scope global dynami valid_lft 3567sec preferred_lft 3567sec inet6 fe80::20c:29ff:fe23:e388/64 scope link valid_lft forever preferred_lft forever  3: ens36: (GROADCAST,MULTICAST,UP,LOWER_UP) mtu 1500 qdisc en 1000  link/ether 00:0c:29:23:e3:92 brd ff:ff:ff:ff:ff:ff altname enp2s4 inet 10.1.18.1/24 brd 10.1.18.255 scope global ens36 valid_lft forever preferred_lft forever inet6 fe80::20c:29ff:fe23:e392/64 scope link valid_lft forever preferred_lft forever	IP sudah di konfig sesuai ketentuan Ens33: sesuai DHCP server Ens36: 10.1.18.1/24
2	Konfigurasi repository	Ottopic list  IN PETRI/ Narrolo, try, intranse, ver. 10000200 hillsey near Contrib mon-tree in hits/Aartolo, try, intranse, ver. 10000200 hillsey near Contrib mon-tree in hits/Aartolo, try, intranse, ret. 10000100 hillsey near Contrib non-tree in hits/Aartolo, try, intranse, ret. 10000100 hillsey, and the Contrib non-tree in hits/Aartolo, try, intranse, ret. 10000100 per contrib non-tree in hits/Aartolo, try, intranse, ret. 10000100 per contrib non-tree intranse, try, intranse, ret. 10000100 per contribution of the contr	Disini repo menggunakan repo datautama surabaya



Jl. Raya Wangun Kel. Sindangsari Kota Bogor

Telp. 0251-8242411, email: prohumasi@smkwikrama.net, website: www.smkwikrama.net

Paket bind9 dan dnsutils 3 Install Paket berhasil di install dan bind9 dan berjalan dengan lancar dnsutils Sub domain untuk 4 Isi file db.10 / file srvdzakwan61.net sudah di BIND reverse data file for local loopback interface forward tambahkan. Pastikan tidak ada salah ketik pada DNS Konfig sub domain: php phpmyad min wordpres dvwa Disini IP sudah di 5 Isi file db.local / tambahkan di sub domain file reverse 2 : Serial 604800 : Refresh 60400 : Retry 2419200 : Expire 604800) : Negative Cache TTL Zone sudah di ubah 6 Isi file menjadi dns sendiri dan ip named.conf.defa sendiri. Kemudian file db.local di copy menjadi ult-zones db.tjkt Dan db.127 di copy menjadi db.10

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7	Pengeditan file resolv.conf	Search srydzakwan61.net nameserver 10.1.18,1	Resolv telah di ubah agar bisa ping ke DNS kita (nameserver akan selalu berubah ketika network baru ada jadi harus selalu di cek)
8	Restart bind9	root@srv–awan61:/etc/bind# systemctl restart root@srv–awan61:/etc/bind#	Bind9 telah berhasil di restart
9	Nslookup domain utama	> srvdzakwan61.net Server: 10.1.18.1 Address: 10.1.18.1#53  Name: srvdzakwan61.net Address: 10.1.18.1	Nslookup ke srvdzakwan61.net berhasil dan bekerja dengan baik
10	Nslookup sub- domain www	> www.srvdzakwan61.net Server: 10.1.18.1 Address: 10.1.18.1#53  Name: www.srvdzakwan61.net Address: 10.1.18.1	Nslookup ke www.srvdzakwan61.net berhasil dan bekerja dengan baik
12	Nslookup sub- domain php	> php.srvdzakwan61.net Server: 10.1.18.1 Address: 10.1.18.1#53  Name: php.srvdzakwan61.net Address: 10.1.18.1 >	Nslookup ke php.srvdzakwan61.net berhasil dan bekerja dengan baik
13	Nslookup sub- domain phpmyadmin	> phpmyadmin.srvdzakwan61.net Server: 10.1.18.1 Address: 10.1.18.1#53  Name: phpmyadmin.srvdzakwan61.net Address: 10.1.18.1 > _	Nslookup ke phpmyadmin.srvdzakwan6 1.net berhasil dan bekerja dengan baik
14	Nslookup sub- domain wordpress	<pre>&gt; wordpress.srvdzakwan61.net Server: 10.1.18.1 Address: 10.1.18.1#53  Name: wordpress.srvdzakwan61.net Address: 10.1.18.1 &gt; _</pre>	Nslookup ke wordpress.srvdzakwan61.n et berhasil dan bekerja dengan baik

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15	Nslookup sub-	> dvwa.srvdzakwan61.net		Nslookup ke
	domain dvwa	Server:		dvwa.srvdzakwan61.net
			10.1.18.1#53 .srvdzakwan61.net	berhasil dan bekerja dengan baik
		Address: 10.	1.18.1	

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2. Pengujian dns pada sisi Client

Peng	engujian dns pada sisi Client					
No	Tampilan (Screenshot)	Hasil Gambar	Keterangan			
1	Ping ke ip server	C:\Uners\Draknff\piny 18.1.18.1  Pinying 18.1.18.1 with 32 bytes of data;  Henly From 18.1.18.1: bytes 32 time(ins III-64  Reply From 18.1.18.1: bytes 32 time(ins III-64  Pins statistics for 18.1.18.1:  Packets: Sant * 6. Recived * 4. Last * 8 (Re lass).  Reproximate round trip times in milli-seconds:  Minimum * Hen. Maximum * Hen. Recaps * Hen  C:\Uners\Draknff\)_*	Windows dan debian berhasil terhubung			
2	Ping ke domain utama	C. Wasers Braheff > ping arvdrahuanfi.met  Pinging revershounfi.met [18.1:18.1] with 32 hytms of data!  Reply from 18.1.18.5: hytes 32 time(ine ITL-64  Reply from 18.1.18.1: hytes 32 time(ine ITL-64  Reply from 18.1.18.1: hytes 32 time(ine ITL-64  Reply from 18.1.18.1: hytms 22 time(ine ITL-64  Reply from 18.1.18.1: hytms 22 time(ine ITL-64  Ping statistics for 18.1.18.1:  Pankets: Sent - 4, Received - 4, Loot - 8 (Mx less),  Representate round trip times in milli-seconds:  Rinimum - Bra, Maximum - Bra, Borrage - Bra	Ping menggunakan domain srvdzakwan61.net berhasil			
3	** Tampilkan lebih dari 1 screenshoot.	WWW  G:Wherry-Workeff Jping west-reversabuses i.met  Pinging wast redeckment int [18.1.38.1] with 32 bytes of data:  Beply from HA.1.81.1 bytes-72 time(ins TIL-64  Ping statistics for 18.1.8.1 bytes-72 time(ins TIL-64  Ping statistics for 18.1.8.1 bytes-72 time(ins TIL-64  Ping statistics for 18.1.8.2 bytes-64  Pachets: Sant - 4. Bectived - 4. Lest - W (Mt Laux).  Paperoximate resuld trip times in milli-seconds:  Pinging phy.reschakasanil.met [18.1.18.1] with 32 bytes of data:  Reply from HA.1.81.1 bytes-72 time(ins TIL-64  Reply from H	Ping menggunakan domain srvdzakwan61.net dan menggunakan sub domain berhasil - www.srvdza kwan61.net - php. srvdzakwan 61.net - phpmyadmi n. srvdzakwan 61.net - wordpress. srvdzakwan 61.net - dvwa. srvdzakwan 61.net			

☼ Selamat Mengerjakan