INSTALL DAN KONFIGURASI DNS SERVER
SISTEM TERDISTRIBUSI

OLEH :

NAMA : MUTIAH ANDINI

NIM : 09011182126027

KELAS : SK6A

DOSEN PENGAMPUH : ADI HERMANSYAH, M.T

FAKULTAS ILMU KOMPUTER

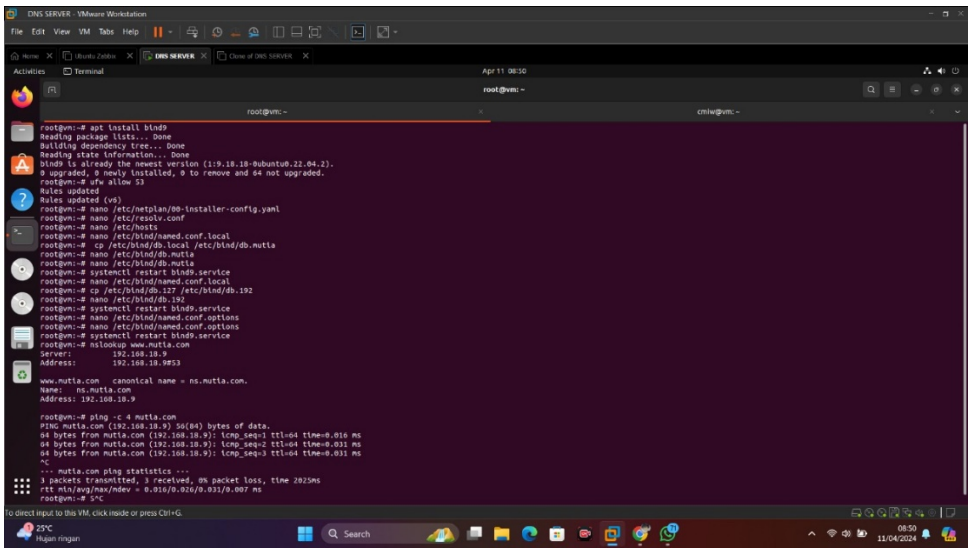
SISTEM KOMPUTER

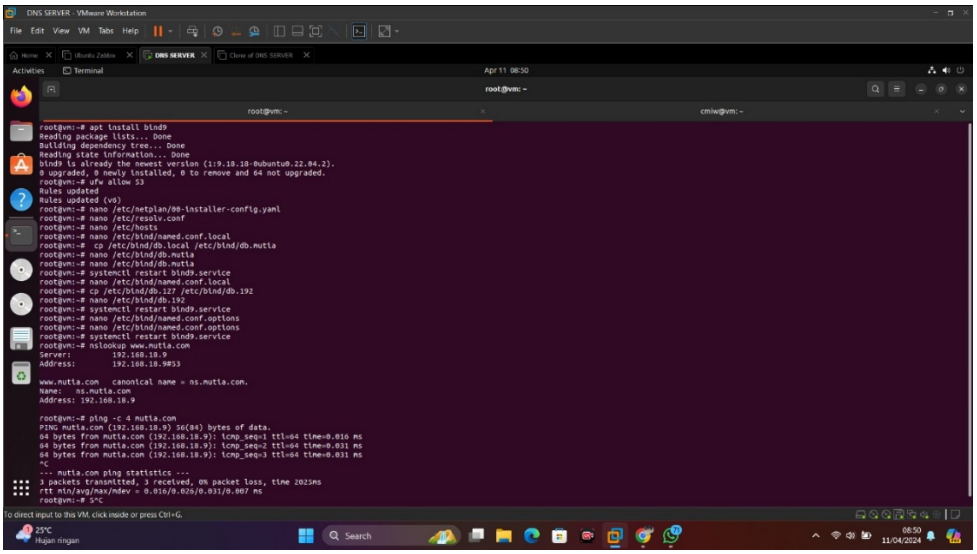
UNIVERSITAS SRIWIJAYA TAHUN AJARAN 2024

DNS SERVER

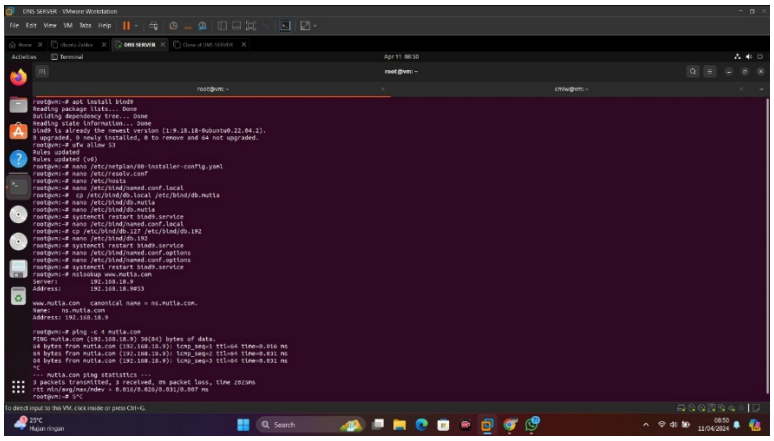
DNS adalah singkatan dari Domain Name System. Ini adalah sistem yang digunakan untuk menghubungkan nama domain (misalnya, www.mutia.com) dengan alamat IP yang sesuai. DNS memungkinkan kita untuk menggunakan nama-nama yang mudah diingat untuk mengakses situs web, alamat email, dan layanan jaringan lainnya, daripada harus menghafal serangkaian angka yang rumit. Sistem DNS mengonversi nama domain menjadi alamat IP yang diperlukan untuk mengarahkan koneksi ke server yang tepat.

- INSTALISASI DNS





- KONFIGURASI



```
 GNU nano 6.2                          /etc/resolv.conf
# This is /run/systemd/resolve/stub-resolv.conf managed by man:systemd-resolved(8).
# Do not edit.
#
# This file might be symlinked as /etc/resolv.conf. If you're looking at
# /etc/resolv.conf and seeing this text, you have followed the symlink.
#
# This is a dynamic resolv.conf file for connecting local clients to the
# internal DNS stub resolver of systemd-resolved. This file lists all
# configured search domains.
#
# Run "resolvectl status" to see details about the uplink DNS servers
# currently in use.
#
# Third party programs should typically not access this file directly, but only
# through the symlink at /etc/resolv.conf. To manage man:resolv.conf(5) in a
# different way, replace this symlink by a static file or a different symlink.
#
# See man:systemd-resolved.service(8) for details about the supported modes of
# operation for /etc/resolv.conf.

nameserver 192.168.18.9
nameserver 192.168.18.1
options edns0
search mutia.com
```

```
 GNU nano 6.2                                  /etc/hosts
127.0.0.1       localhost
127.0.1.1       vm
192.168.18.9    mutia.com
# The following lines are desirable for IPv6 capable hosts
::1     ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters
```

- TEST TAMBAH CLIENT DAN MONITORING

```
 GNU nano 6.2                          /etc/bind/named.conf.local
//
// Do any local configuration here
//

// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";

zone "mutia.com" {
        type master;
        file "/etc/bind/db.mutia";
};
zone "18.168.192.in-addr.arpa" {
        type master;
        file "/etc/bind/db.192";
};
```

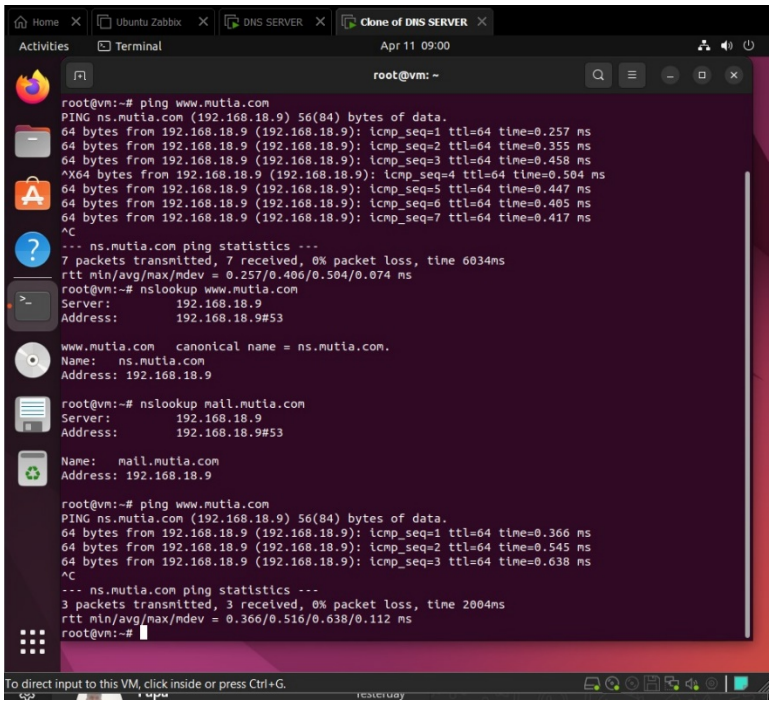
```
 GNU nano 6.2                                    /etc/bind/db.mutia
;
; BIND data file for local loopback interface
;
$TTL    604800
@       IN      SOA     ns.mutia.com. root.mutia.com. (
                              2         ; Serial
                         604800         ; Refresh
                          86400         ; Retry
                        2419200         ; Expire
                         604800 )       ; Negative Cache TTL
;
@       IN      NS      ns.mutia.com.
@       IN      A       192.168.18.9
@       IN      MX      10      mail.mutia.com.
ns      IN      A       192.168.18.9
www     IN      CNAME   ns
mail    IN      A       192.168.18.9
```

```
 GNU nano 6.2                          /etc/bind/named.conf.local
//
// Do any local configuration here
//

// Consider adding the 1918 zones here, if they are not used in your
// organization
//include "/etc/bind/zones.rfc1918";

zone "mutia.com" {
        type master;
        file "/etc/bind/db.mutia";
};
zone "18.168.192.in-addr.arpa" {
        type master;
        file "/etc/bind/db.192";
};
```

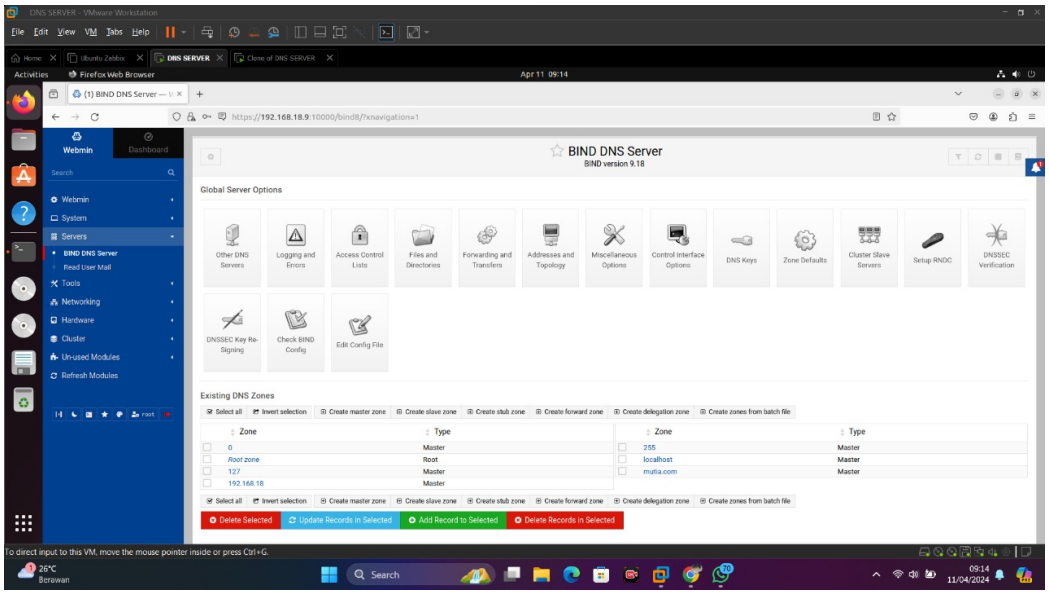
```
 GNU nano 6.2                                    /etc/bind/db.192
;
; BIND reverse data file for local loopback interface
;
$TTL    604800
@       IN      SOA     ns.mutia.com. root.mutia.com. (
                              1         ; Serial
                         604800         ; Refresh
                          86400         ; Retry
                        2419200         ; Expire
                         604800 )       ; Negative Cache TTL
;
@       IN      NS      ns.mutia.com.
1       IN      PTR     ns.mutia.com.
1       IN      PTR     www.mutia.com
1       IN      PTR     mail.mutia.com
```

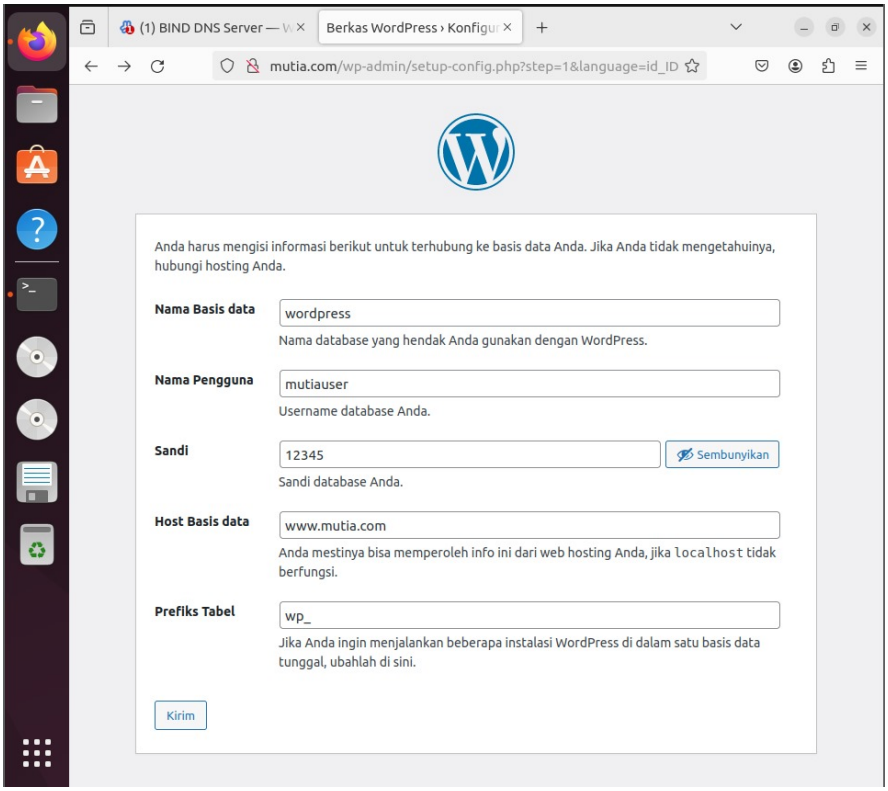
```
 GNU nano 6.2                        /etc/bind/named.conf.options
options {
        directory "/var/cache/bind";

        // If there is a firewall between you and nameservers you want
        // to talk to, you may need to fix the firewall to allow multiple
        // ports to talk.  See http://www.kb.cert.org/vuls/id/800113

        // If your ISP provided one or more IP addresses for stable
        // nameservers, you probably want to use them as forwarders.
        // Uncomment the following block, and insert the addresses replacing
        // the all-0's placeholder.

        forwarders {
                8.8.8.8;
                8.8.4.4;
        };

        //========================================================================
        // If BIND logs error messages about the root key being expired,
        // you will need to update your keys.  See https://www.isc.org/bind-keys
        //========================================================================
        dnssec-validation auto;

        listen-on-v6 { any; };
};
```

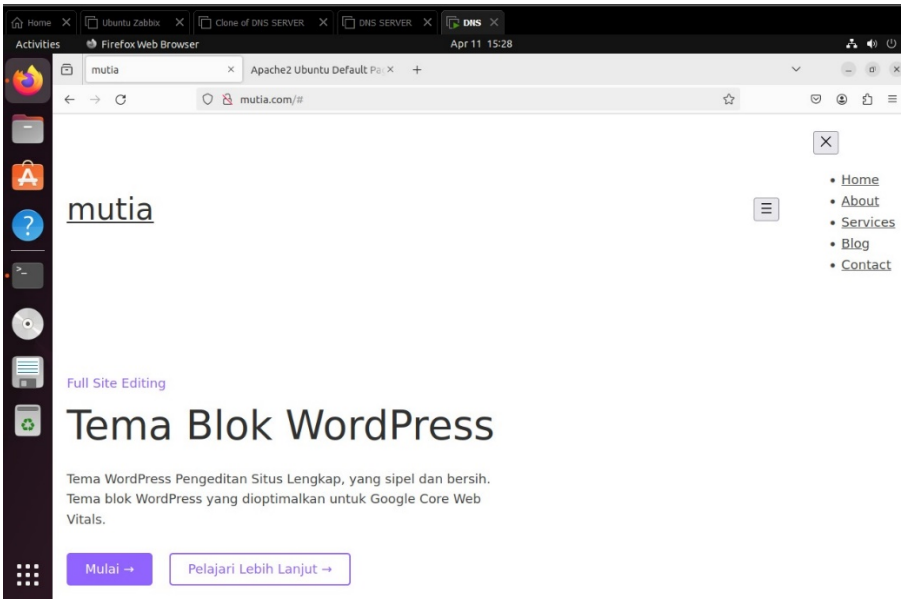
- SISI CLIENT



- HASIL




(1) BIND DNS Server
Berkas WordPress › Konfigu
mutia.com/wp-admin/setup-config.php?step=1&language=id_ID
Anda harus mengisi informasi berikut untuk terhubung ke basis data Anda. Jika Anda tidak mengetahuinya, hubungi hosting Anda.
Nama Basis data
wordpress
Nama database yang hendak Anda gunakan dengan WordPress.
Nama Pengguna
mutiauser
Username database Anda.
Sandi
12345
Sembunyikan
Sandi database Anda.
Host Basis data
www.mutia.com
Anda mestinya bisa memperoleh info ini dari web hosting Anda, jika localhost tidak berfungsi.
Prefiks Tabel
wp_
Jika Anda ingin menjalankan beberapa instalasi WordPress di dalam satu basis data tunggal, ubahlah di sini.
Kirim


Activities
Firefox Web Browser
Apr 11 15:28
mutia.com/#
mutia
Home
About
Services
Blog
Contact
Full Site Editing
Tema Blok WordPress
Tema WordPress Pengeditan Situs Lengkap, yang sipel dan bersih. Tema blok WordPress yang dioptimalkan untuk Google Core Web Vitals.
Mulai →
Pelajari Lebih Lanjut →