

LAPORAN KONFIGURASI WORDPRESS PADA UBUNTU 22



Di buat oleh :

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XII TJKT2

I. Langkah-langkah

1. Buat DNS Server dan Web Server di VMware, hubungkan sehingga semua dapat terkoneksi satu sama lain dan ke jaringan internet.

```
root@saleb88:/etc/bind# ping saleb88.edu
PING saleb88.edu (22.7.25.35) 56(84) bytes of data.
64 bytes from saleb88.edu (22.7.25.35): icmp_seq=1 ttl=64 time=0.277 ms
64 bytes from saleb88.edu (22.7.25.35): icmp_seq=2 ttl=64 time=0.114 ms
64 bytes from saleb88.edu (22.7.25.35): icmp_seq=3 ttl=64 time=0.112 ms
64 bytes from saleb88.edu (22.7.25.35): icmp_seq=4 ttl=64 time=0.115 ms
^C
--- saleb88.edu ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 302ms
rtt min/avg/max/mdev = 0.112/0.154/0.277/0.070 ms
root@saleb88:/etc/bind# _
```

2. Di DNS Server install DNS dan atur konfigurasi sesuai domain yang diinginkan, misalnya zulhamasyaiful.id.
3. Hubungkan juga www.zulham.edu ke IP dari Web Server (22.7.25.45) sehingga saat search ke domain tersebut akan muncul website yang diatur di Web Server.

```
root@saleb88:/etc/bind# ping saleb88.edu
PING saleb88.edu (22.7.25.35) 56(84) bytes of data.
64 bytes from saleb88.edu (22.7.25.35): icmp_seq=1 ttl=64 time=0.277 ms
64 bytes from saleb88.edu (22.7.25.35): icmp_seq=2 ttl=64 time=0.114 ms
64 bytes from saleb88.edu (22.7.25.35): icmp_seq=3 ttl=64 time=0.112 ms
64 bytes from saleb88.edu (22.7.25.35): icmp_seq=4 ttl=64 time=0.115 ms
^C
--- saleb88.edu ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 302ms
rtt min/avg/max/mdev = 0.112/0.154/0.277/0.070 ms
root@saleb88:/etc/bind# _
```

4. Di Web Server, setelah semua terkoneksi, install apache2 sebagai landasan WordPress <http://www.zulham.edu/>

```
root@web:~# apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils bzlib1 libapr1 libaprutil1 libaprutil1-dbd-sqlite3
  libaprutil1-ldap liblua5.3-0 mailcap mime-support ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser bzlib2-doc
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils bzlib1 libapr1 libaprutil1 libaprutil1-dbd-sqlite3
  libaprutil1-ldap liblua5.3-0 mailcap mime-support ssl-cert
0 upgraded, 13 newly installed, 0 to remove and 54 not upgraded.
Need to get 1,701 kB/2,142 kB of archives.
After this operation, 8,528 kB of additional disk space will be used.
30% [connecting to id.archive.ubuntu.com]
```

```
root@web:~# systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2025-08-20 07:14:33 UTC; 1min 11s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 41384 (apache2)
    Tasks: 55 (limit: 4519)
   Memory: 5.2M
      CPU: 151ms
   CGroup: /system.slice/apache2.service
           └─41384 /usr/sbin/apache2 -k start
             └─41386 /usr/sbin/apache2 -k start
               └─41387 /usr/sbin/apache2 -k start

Aug 20 07:14:33 web systemd[1]: Starting The Apache HTTP Server...
Aug 20 07:14:33 web apache2[41383]: AH00557: apache2: apr_sockaddr_info_get() failed for web
Aug 20 07:14:33 web apache2[41383]: AH00558: apache2: Could not reliably determine the server's f
Aug 20 07:14:33 web systemd[1]: Started The Apache HTTP Server.
lines 1-17/17 (END)
```

5. Install PHP: `apt install php libapache2-mod-php php-mysql phpcurl php-gd php-mbstring php-xml php-xmlrpc php-zip -y`
6. Install MySQL sebagai database untuk WordPress: `apt install mysql-server -y`

```
root@web:~# apt install mysql-server -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libfcgi-fast-perl libfcgi-pm-perl libclone-perl libencode-locale-perl libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi0ldbl libht
  libhtml-tagset-perl libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmecab2 libpro
  libtime-date-perl liburi-perl mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server
  mysql-server-core-8.0
Suggested packages:
  libdata-dump-perl libipc-sharedcache-perl libbusiness-isbn-perl libwww-perl mailx tinyca
The following NEW packages will be installed:
  libfcgi-fast-perl libfcgi-pm-perl libclone-perl libencode-locale-perl libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi0ldbl libht
  libhtml-tagset-perl libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl liblwp-mediatypes-perl libmecab2 libpro
  libtime-date-perl liburi-perl mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server
  mysql-server-core-8.0
0 upgraded, 28 newly installed, 0 to remove and 0 not upgraded.
Need to get 29.8 MB of archives.
After this operation, 243 MB of additional disk space will be used.
Get: 1 http://10.0.2.15/ubuntu.com/ubuntu jammy/main amd64 mysql-common all 5.8+1.0.8 [7,212 B]
Get: 2 http://10.0.2.15/ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-core-8.0 amd64 8.0.43-0ubuntu0.22.04.1 [2,706 kB]
4% [2 mysql-client-core-8.0 1,052 kB/2,706 kB 39%]
```

7. Buat database:

```
CREATE DATABASE wordpress_db;
```

```
CREATE USER 'zulham'@'localhost' IDENTIFIED BY 'zulham123';
```

```
GRANT ALL PRIVILEGES ON wordpress_db.* TO 'zulham'@'localhost';
```

FLUSH PRIVILEGES;

EXIT;

8. Download WordPress: `cd /tmp && wget https://wordpress.org/latest.tar.gz`

```
root@web:~# cd /tmp
root@web:/tmp# wget https://wordpress.org/latest.tar.gz
--2025-08-20 07:33:56-- https://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 26925441 (26M) [application/octet-stream]
Saving to: 'latest.tar.gz'

latest.tar.gz      46%[=====>] 11.83M  843KB/s  eta 18s
```

9. Extract file: `tar -xvzf latest.tar.gz`

```
root@web:/tmp# tar -xvzf latest.tar.gz
wordpress/
```

10. Pindahkan file: `mv wordpress /var/www/html/`

11. Ubah kepemilikan folder:

```
chown -R www-data:www-data /var/www/html/wordpress
```

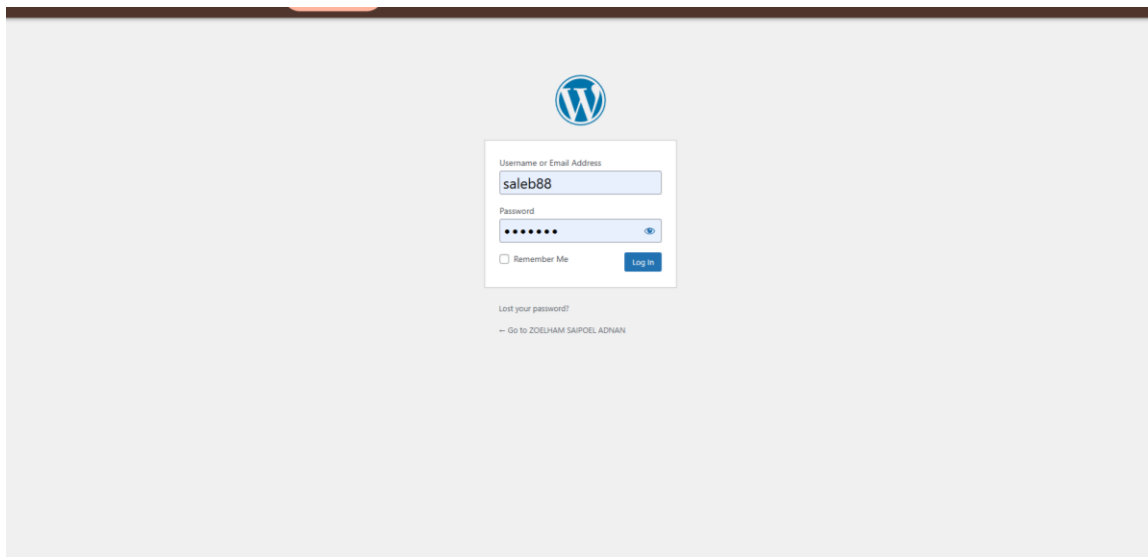
```
root@bwh:~# apt install php libapache2-mod-php php-mysql php-curl php-gd php-mbstring php-xml php-xmldr php-zip -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  fonts-dejavu-core libapache2-mod-php8.1 libfreetype6 libfontconfig1 libgd3 libjpeg-turbo8 libjpeg9 libpng16-1.6 libwebp7
  libxmlrpc-epi libxpm4 php-common php8.1 php8.1-cli php8.1-common php8.1-curl php8.1-gd php8.1-mbstring php8.1-mysql php8.1-opcache
  php8.1-readline php8.1-xml php8.1-xmldr php8.1-zip
Suggested packages:
  php-pear libgd-tools
The following NEW packages will be installed:
  fonts-dejavu-core libapache2-mod-php libapache2-mod-php8.1 libfreetype6 libfontconfig1 libgd3 libjpeg-turbo8 libjpeg9 libpng16-1.6
  libwebp7 libxmlrpc-epi libxpm4 php-common php8.1 php8.1-cli php8.1-common php8.1-curl php8.1-gd php8.1-mbstring php8.1-mysql php8.1-opcache
  php8.1-readline php8.1-xml php8.1-xmldr php8.1-zip
0 upgraded, 31 newly installed, 0 to remove and 0 not upgraded.
Need to get 8,253 kB of archives.
After this operation, 30.0 MB of additional disk space will be used.
Do you want to continue? [Y/n]
Get:1 http://cz.archive.ubuntu.com/ubuntu jammy/main amd64 php-common all 2:92ubuntu1 [12.4 kB]
1% [Working]
```

```
chmod -R 755 /var/www/html/wordpress
```

12. Konfigurasi WordPress:

```
#cd /var/www/html/wordpress
```

```
#cp wp-config-sample.php wp-config.php
```



```
#nano wp-config.php
```

13. Lakukan restart apache 2

```
#systemctl restart apache2
```

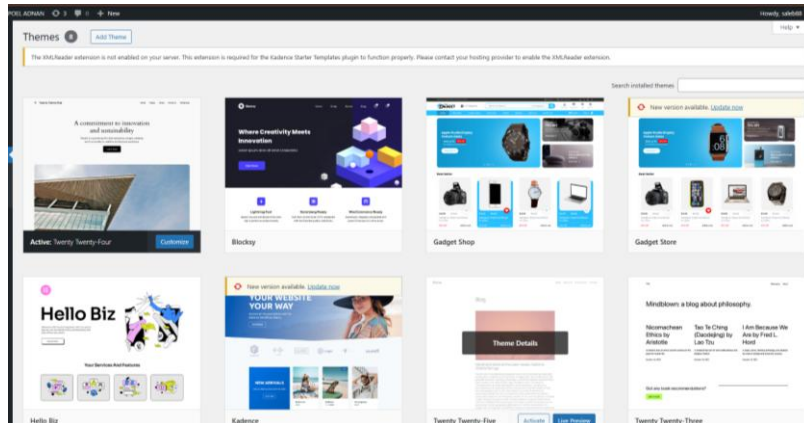
14. Buka browser dan akses <http://ipweb-server> atau <http://localhost>

15. Login menggunakan username dan password, atau bisa juga akses:

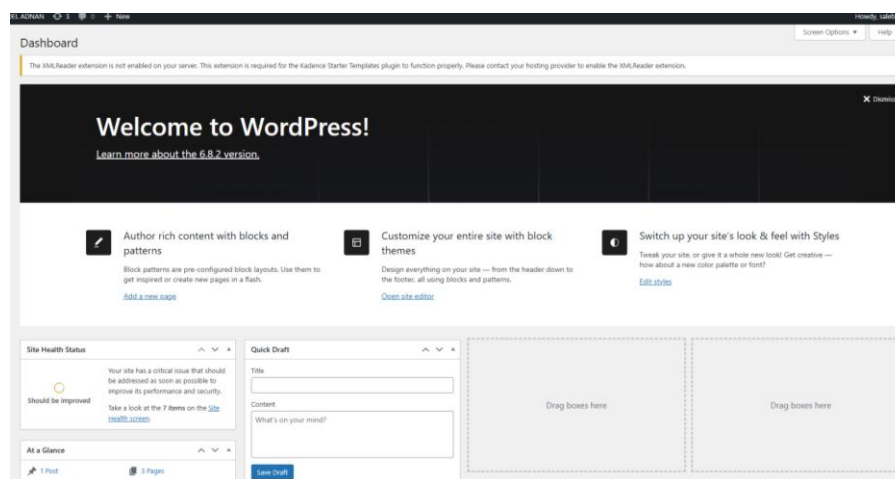
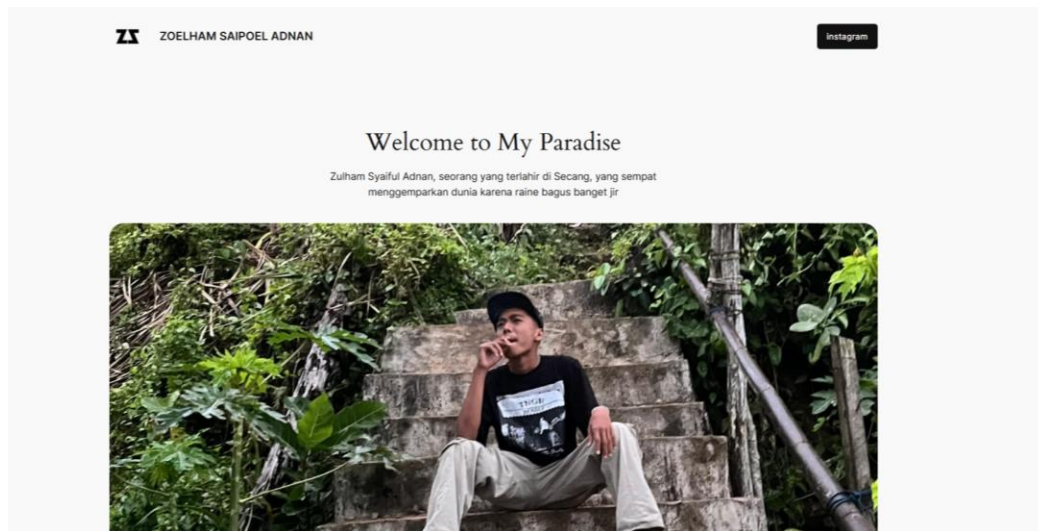
```
root@web:/home/web# sudo chown -R www-data:www-data /var/www/html
root@web:/home/web# sudo chmod -R 755 /var/www/html
```

<http://zulhamsyaiful.id/wp-admin>

16. Jika berhasil, akan muncul dashboard WordPress.



17. Install dan aktifkan template sesuai kebutuhan.



18. Website siap digunakan.

II. Kesimpulan

Pemasangan WordPress di atas Ubuntu Server yang juga berfungsi sebagai DNS Server berhasil dilakukan. Website lokal dapat diakses dengan mudah melalui domain internal. Metode ini menunjukkan fleksibilitas pengembangan serta memberikan kontrol penuh terhadap server dan jaringan lokal.