

**PRAKTIKUM
ARSITEKTUR DAN ORGANISASI
KOMPUTER**

“Ubuntu for Wordpress”



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2023

INSTALL WORDPRESS DI UBUNTU 20.04.6

Tahap 1 silahkan login pada cmd, setelah login silahkan lakukan update dengan mengetikkan "sudo apt-get update" dan diminta memasukkan password.

```
asti@asti:~$ sudo apt-get update
[sudo] password for asti:
```

Selanjutnya install apache2 dengan mengetikkan "sudo apt install apache2". Dan setelah berhasil terinstall lihat status active dari apache2 dengan mengetik "sudo systemctl status apache2".

```
asti@asti:~$ sudo apt-get update
[sudo] password for asti:
Hit:1 http://archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://archive.ubuntu.com/ubuntu focal-security InRelease
Reading package lists... Done
asti@asti:~$ sudo apt install apache2
```

```
asti@asti:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor p>
   Active: active (running) since Wed 2023-11-22 02:24:52 UTC; 1min 5s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 65379 (apache2)
     Tasks: 55 (limit: 2274)
    Memory: 5.2M
    CGroup: /system.slice/apache2.service
            └─65379 /usr/sbin/apache2 -k start
            └─65382 /usr/sbin/apache2 -k start
            └─65383 /usr/sbin/apache2 -k start
```

Lalu lihat status active dari mysql dengan mengetikkan "sudo systemctl status mysql".

```
asti@asti:~$ sudo systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor pre>
   Active: active (running) since Wed 2023-11-22 02:27:46 UTC; 1min 44s a>
 Main PID: 66572 (mysqld)
    Status: "Server is operational"
     Tasks: 37 (limit: 2274)
  Memory: 363.7M
    CGroup: /system.slice/mysql.service
            └─66572 /usr/sbin/mysqld

Nov 22 02:27:45 asti systemd[1]: Starting MySQL Community Server...
Nov 22 02:27:46 asti systemd[1]: Started MySQL Community Server.
```

Tahap ke 3 install php dengan mengetik "sudo apt install php libapache2-mod-php php-mysql". Setelah berhasil lanjutkan "sudo apt install php-curl php-gd php-mbstring php-xml php-xmllrpc php-soap php-intl php-zip".

```
asti@asti:~$ sudo apt install php libapache2-mod-php php-mysql
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libapache2-mod-php7.4 php-common php7.4 php7.4-cli php7.4-common
  php7.4-json php7.4-mysql php7.4-opcache php7.4-readline
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php libapache2-mod-php7.4 php php-common php-mysql php7.4
  php7.4-cli php7.4-common php7.4-json php7.4-mysql php7.4-opcache
  php7.4-readline
0 upgraded, 12 newly installed, 0 to remove and 0 not upgraded.
Need to get 4,157 kB of archives.
After this operation, 18.5 MB of additional disk space will be used.
Do you want to continue? [Y/n]
asti@asti:~$ sudo apt install php-curl php-gd php-mbstring php-xml php-xmllrp
c php-soap php-intl php-zip
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libgd3 libjpeg0
  libjpeg-turbo8 libjpeg8 libonig5 libtiff5 libwebp6 libxmlrpc-epi0
  libxpm4 libzip5 php7.4-curl php7.4-gd php7.4-intl php7.4-mbstring
  php7.4-soap php7.4-xml php7.4-xmllrpc php7.4-zip
Suggested packages:
  libgd-tools
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libgd3 libjpeg0
  libjpeg-turbo8 libjpeg8 libonig5 libtiff5 libwebp6 libxmlrpc-epi0
  libxpm4 libzip5 php-curl php-gd php-intl php-mbstring php-soap php-xml
  php-xmllrpc php-zip php7.4-curl php7.4-gd php7.4-intl php7.4-mbstring
  php7.4-soap php7.4-xml php7.4-xmllrpc php7.4-zip
0 upgraded, 29 newly installed, 0 to remove and 0 not upgraded.
Need to get 2,896 kB of archives.
After this operation, 9,598 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```

Selanjutnya ketik "php -v" dan setelahnya ketik "sudo systemctl restart apache2".

```
asti@asti:~$ php -v
PHP 7.4.3-4ubuntu2.19 (cli) (built: Jun 27 2023 15:49:59) ( NTS )
Copyright (c) The PHP Group
Zend Engine v3.4.0, Copyright (c) Zend Technologies
    with Zend OPcache v7.4.3-4ubuntu2.19, Copyright (c), by Zend Technologie
s
asti@asti:~$ sudo systemctl restart apache2
asti@asti:~$
```

Tahap ke 4 install Wordpress dengan memberikan command "cd /var/www/html" setelah berhasil ketikkan "sudo wget -c <http://wordpress.org/latest.tar.gz>". Lalu ketik "sudo tar -xzf latest.tar.gz".

```
asti@asti:~$ cd /var/www/html
asti@asti:/var/www/html$ sudo wget -c http://wordpress.org/latest.tar.gz
--2023-11-22 02:34:01-- http://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:80... connected
.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://wordpress.org/latest.tar.gz [following]
--2023-11-22 02:34:01-- https://wordpress.org/latest.tar.gz
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connecte
d.
HTTP request sent, awaiting response... 200 OK
Length: 24479162 (23M) [application/octet-stream]
Saving to: 'latest.tar.gz'

latest.tar.gz      100%[=====>]  23.34M  3.02MB/s   in 11s

2023-11-22 02:34:14 (2.10 MB/s) - 'latest.tar.gz' saved [24479162/24479162]
asti@asti:/var/www/html$ sudo tar -xzf latest.tar.gz
```

Ketik "ls -l" dan setelahnya ketik "sudo mysql -u root -p"

```
asti@asti:/var/www/html$ ls -l
total 23924
-rw-r--r-- 1 root root 10918 Nov 22 02:24 index.html
-rw-r--r-- 1 root root 24479162 Nov 9 00:45 latest.tar.gz
drwxr-xr-x 5 nobody nogroup 4096 Nov 9 00:45 wordpress
asti@asti:/var/www/html$ sudo mysql -u root -p
```

Tahap ke 5 membuat Database untuk Wordpress dengan mengikuti seperti langkah dibawah, usahakan tidak terdapat error pada pembuatan database. Ketika semua sudah silahkan mengecek Kembali ip kita dengan ketik "ifconfig" setelah dapat, buka browser dan ketikkan ip tersebut lalu tambahkan /wordpress seperti contoh "172.20.10.6/wordpress" dan akan menampilkan web wordpress tersebut.

```
asti@asti:/var/www/html$ sudo mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.35-0ubuntu0.20.04.1 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input.

mysql> CREATE DATABASE asti;
Query OK, 1 row affected (0.01 sec)

mysql> CREATE USER asti@localhost IDENTIFIED BY "Asti.123";
Query OK, 0 rows affected (0.01 sec)

mysql> GRANT ALL PRIVILEGES ON asti. * TO asti@localhost;
Query OK, 0 rows affected (0.00 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)

mysql> exit;
Bye
asti@asti:/var/www/html$
```

\Ketika telah berhasil membuat Wordpress.

