

**PRAKTIKUM
ARSITEKTUR DAN ORGANISASI
KOMPUTER**

“Ubuntu for Wordpress”



Disusun Oleh :

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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.

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

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

```
dwi@aurelia:~$ sudo apt-get update  
[sudo] password for dwi:  
Hit:1 http://id.archive.ubuntu.com/ubuntu focal InRelease  
Get:2 http://id.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]  
Hit:3 http://id.archive.ubuntu.com/ubuntu focal-backports InRelease  
Hit:4 http://id.archive.ubuntu.com/ubuntu focal-security InRelease  
Fetched 114 kB in 4s (26.1 kB/s)  
Reading package lists... Done  
dwi@aurelia:~$ sudo apt install apache2  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
apache2 is already the newest version (2.4.41-4ubuntu3.14).  
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.  
dwi@aurelia:~$ sudo systemctl status apache2  
● apache2.service - The Apache HTTP Server  
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)  
   Active: active (running) since Sun 2023-11-19 05:19:39 UTC; 41min ago  
     Docs: https://httpd.apache.org/docs/2.4/  
   Process: 709 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)  
    Main PID: 804 (apache2)  
       Tasks: 6 (limit: 2256)  
      Memory: 37.0M  
    CGroup: /system.slice/apache2.service  
            └─804 /usr/sbin/apache2 -k start  
              └─825 /usr/sbin/apache2 -k start  
                └─826 /usr/sbin/apache2 -k start  
                  └─827 /usr/sbin/apache2 -k start  
                    └─828 /usr/sbin/apache2 -k start  
                      └─829 /usr/sbin/apache2 -k start  
  
Nov 19 05:19:39 aurelia systemd[1]: Starting The Apache HTTP Server...  
Nov 19 05:19:39 aurelia apachectl[754]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message  
Nov 19 05:19:39 aurelia systemd[1]: Started The Apache HTTP Server.
```

Tahap ke 2 install mysql dengan mengetik "sudo apt install mysql-server" setelah berhasil ketikkan "sudo mysql_secure_installation" dan ketik "y/yes" sampai tidak terdapat pertanyaan itu kembali.

```
Nov 19 05:19:39 aurelia apache2[754]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name; please see the Apache documentation for how to set the server's ServerName
Nov 19 05:19:39 aurelia systemd[1]: Started The Apache HTTP Server.

dwi@aurelia:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
apache2 is already the newest version (2.4.41-1ubuntu3.14).
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
dwi@aurelia:~$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
mysql-server is already the newest version (8.0.35-0ubuntu0.20.04.1).
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
dwi@aurelia:~$ sudo mysql_secure_installation

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.
The 'validate_password' component is installed on the server.
The subsequent steps will run with the existing configuration
of the component.

Skipping password set for root as authentication with auth_socket is used by default.
If you would like to use password authentication instead, this can be done with the "ALTER_USER" command.
See https://dev.mysql.com/doc/refman/8.0/en/alter-user.html#alter-user-password-management for more information.

By default, a MySQL installation has an anonymous user,
allowing anyone to log into MySQL without having to have
a user account created for them. This is intended only for
testing, and to make the installation go a bit smoother.
You should remove them before moving into a production
environment.

Remove anonymous users? (Press y|Y for Yes, any other key for No) :
```

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

```
the root password from the network.

Disallow root login remotely? (Press y|Y for Yes, any other key for No) : y
Success.

By default, MySQL comes with a database named 'test' that
anyone can access. This is also intended only for testing,
and should be removed before moving into a production
environment.

Remove test database and access to it? (Press y|Y for Yes, any other key for No) : y
- Dropping test database...
Success.
- Removing privileges on test database...
Success.

Reloading the privilege tables will ensure that all changes
made so far will take effect immediately.

Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y
Success.

All done!
dwi@aurelia:~$ sudo systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
   Active: active (running) since Sun 2023-11-19 05:19:41 UTC; 50min ago
   Process: 727 ExecStartPre=/usr/share/mysql/mysql-systemd-start pre (code=exited, status=0/SUCCESS)
   Main PID: 824 (mysqld)
   Status: "Server is operational"
   Tasks: 39 (limit: 2256)
   Memory: 442.9M
   CGroup: /system.slice/mysql.service
           └─824 /usr/sbin/mysqld

Nov 19 05:19:39 aurelia systemd[1]: Starting MySQL Community Server...
Nov 19 05:19:41 aurelia systemd[1]: Started MySQL Community Server.
dwi@aurelia:~$
```

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-xmlrpc php-soap php-intl php-zip".

```
dwl@aurelia:~$ sudo systemctl status mysql
Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y
Success.

All done!
dwl@aurelia:~$ sudo systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
   Active: active (running) since Sun 2023-11-19 05:19:41 UTC; 50min ago
     Process: 727 ExecStartPre=/usr/share/mysql/mysql-systemd-start pre (code=exited, status=0/SUCCESS)
    Main PID: 824 (mysqld)
      Status: "Server is operational"
        Tasks: 39 (limit: 2256)
       Memory: 442.9M
      CGroup: /system.slice/mysql.service
             └─824 /usr/sbin/mysqld

Nov 19 05:19:39 aurelia systemd[1]: Starting MySQL Community Server...
Nov 19 05:19:41 aurelia systemd[1]: Started MySQL Community Server.
dwl@aurelia:~$ sudo apt install php libapache2-mod-php php-mysql
Reading package lists... Done
Building dependency tree
Reading state information... Done
libapache2-mod-php is already the newest version (2:7.4+75).
php is already the newest version (2:7.4+75).
php-mysql is already the newest version (2:7.4+75).
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
dwl@aurelia:~$ sudo apt install php-curl php-gd php-mbstring php-xml php-xmlrpc php-soap php-intl php-zip
Reading package lists... Done
Building dependency tree
Reading state information... Done
php-curl is already the newest version (2:7.4+75).
php-gd is already the newest version (2:7.4+75).
php-xml is already the newest version (2:7.4+75).
php-xmlrpc is already the newest version (2:7.4+75).
php-intl is already the newest version (2:7.4+75).
php-mbstring is already the newest version (2:7.4+75).
php-soap is already the newest version (2:7.4+75).
php-zip is already the newest version (2:7.4+75).
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
dwl@aurelia:~$
```

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

```
dwl@aurelia:~$ sudo systemctl status mysql
Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset: enabled)
Active: active (running) since Sun 2023-11-19 05:19:41 UTC; 50min ago
   Process: 727 ExecStartPre=/usr/share/mysql/mysql-systemd-start pre (code=exited, status=0/SUCCESS)
    Main PID: 824 (mysqld)
      Status: "Server is operational"
        Tasks: 39 (limit: 2256)
       Memory: 442.9M
      CGroup: /system.slice/mysql.service
             └─824 /usr/sbin/mysqld

Nov 19 05:19:39 aurelia systemd[1]: Starting MySQL Community Server...
Nov 19 05:19:41 aurelia systemd[1]: Started MySQL Community Server.
dwl@aurelia:~$ sudo apt install php libapache2-mod-php php-mysql
Reading package lists... Done
Building dependency tree
Reading state information... Done
libapache2-mod-php is already the newest version (2:7.4+75).
php is already the newest version (2:7.4+75).
php-mysql is already the newest version (2:7.4+75).
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
dwl@aurelia:~$ sudo apt install php-curl php-gd php-mbstring php-xml php-xmlrpc php-soap php-intl php-zip
Reading package lists... Done
Building dependency tree
Reading state information... Done
php-curl is already the newest version (2:7.4+75).
php-gd is already the newest version (2:7.4+75).
php-xml is already the newest version (2:7.4+75).
php-xmlrpc is already the newest version (2:7.4+75).
php-intl is already the newest version (2:7.4+75).
php-mbstring is already the newest version (2:7.4+75).
php-soap is already the newest version (2:7.4+75).
php-zip is already the newest version (2:7.4+75).
0 upgraded, 0 newly installed, 0 to remove and 7 not upgraded.
dwl@aurelia:~$ 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 Technologies
dwl@aurelia:~$ sudo systemctl restart apache2
dwl@aurelia:~$
```

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".

```
dwl@aurelia: /var/www/html$ sudo systemctl restart apache2
dwl@aurelia:~$ cd /var/www/html
dwl@aurelia: /var/www/html$ sudo wget -c http://wordpress.org/latest.tar.gz
--2023-11-19 06:14:39-- 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]
--2023-11-19 06:14:40-- https://wordpress.org/latest.tar.gz
Connecting to wordpress.org (wordpress.org)[198.143.164.252]:443... connected.
HTTP request sent, awaiting response... 416 Requested Range Not Satisfiable

The file is already fully retrieved; nothing to do.
dwl@aurelia: /var/www/html$ sudo tar -xzf latest.tar.gz
wordpress/
wordpress/xmlrpc.php
wordpress/wp-blog-header.php
wordpress/readme.html
wordpress/wp-signup.php
wordpress/index.php
wordpress/wp-cron.php
wordpress/wp-config-sample.php
wordpress/wp-login.php
wordpress/wp-settings.php
wordpress/license.txt
wordpress/wp-content/
wordpress/wp-content/themes/
wordpress/wp-content/themes/twentytwentythree/
wordpress/wp-content/themes/twentytwentythree/theme.json
wordpress/wp-content/themes/twentytwentythree/parts/
wordpress/wp-content/themes/twentytwentythree/parts/footer.html
wordpress/wp-content/themes/twentytwentythree/parts/comments.html
wordpress/wp-content/themes/twentytwentythree/parts/header.html
wordpress/wp-content/themes/twentytwentythree/parts/post-meta.html
wordpress/wp-content/themes/twentytwentythree/patterns/
wordpress/wp-content/themes/twentytwentythree/patterns/hidden-404.php
```

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

```
dwl@aurelia: /var/www/html$ ls -l
total 23924
-rw-r--r-- 1 root root 10918 Nov 8 01:34 index.html
-rw-r--r-- 1 root root 24480560 Nov 7 19:25 latest.tar.gz
drwxr-xr-x 5 nobody nogroup 4096 Nov 7 19:25 wordpress
dwl@aurelia: /var/www/html$ sudo mysql -u root -p
Enter password:
```

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.

```
dwia@urelia: /var/www/html $ ls -l
total 23924
-rw-r--r-- 1 root root 10918 Nov 8 01:34 index.html
-rw-r--r-- 1 root root 24480560 Nov 7 19:25 latest.tar.gz
drwxr-xr-x 5 nobody nogroup 4096 Nov 7 19:25 wordpress
dwia@urelia: /var/www/html $ ^C
dwia@urelia: /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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affiliates. Other names may be trademarks of their respective
owners.

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

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

mysql> CREATE USER dwiar@localhost IDENTIFIED BY 'Dwiar24!';
ERROR 1819 (HY000): Your password does not satisfy the current policy requirements
mysql> CREATE USER dwiar@localhost IDENTIFIED BY 'Dwiar24.';
Query OK, 0 rows affected (0.03 sec)

mysql> GRANT ALL PRIVILEGES ON dwiar.* TO dwiar@localhost;
Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.02 sec)

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

Ketika telah berhasil membuat Wordpress.

