Laporan Pemrosesan Paralel Wordpress

Nama : **Ade Prabowo**

NIM : **09011182126032**

Jurusan : **Sistem Komputer**

Dosen : **Ahmad Heryanto, S.Kom, M.T.**

Adi Hermansyah, S.Kom., M.T.

Jurusan Sistem Komputer
Fakultas Ilmu Komputer
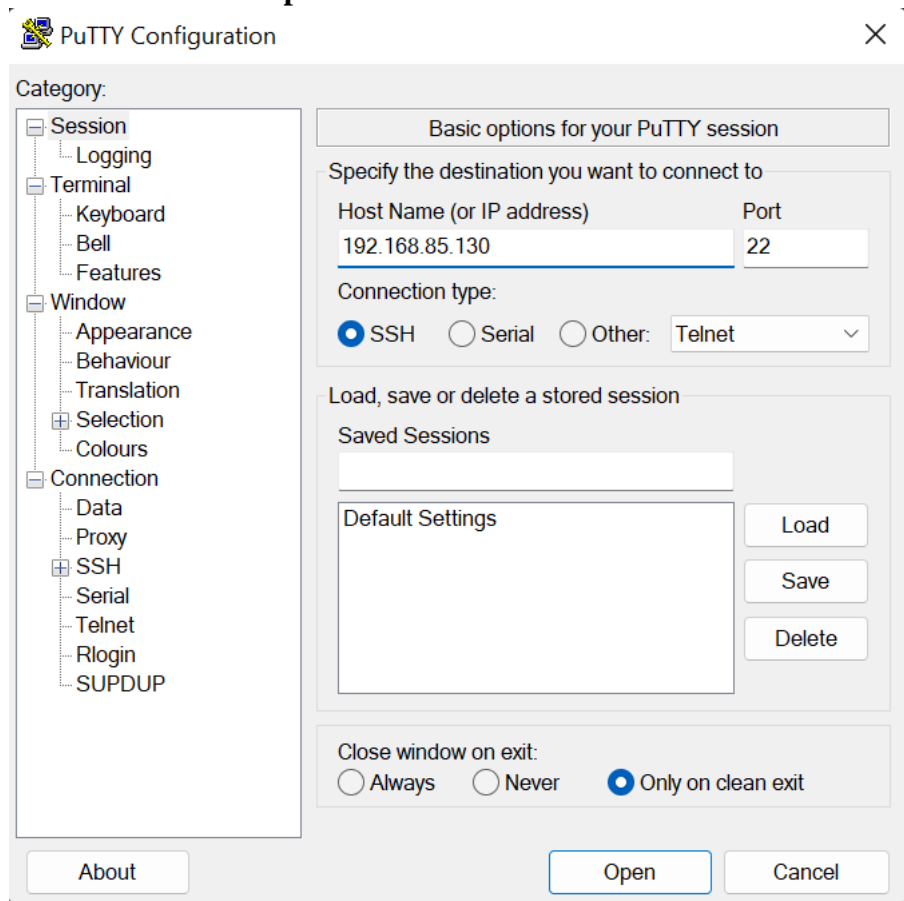## Universitas Sriwijaya

1. **Setelah login ke ubuntu, ketik ifconfig -a untuk mengecek ip**

```
owob@adee:~$ ifconfig
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.85.130  netmask 255.255.255.0  broadcast 192.168.85.255
        inet6 fe80::20c:29ff:fe21:f5e8  prefixlen 64  scopeid 0x20<link>
        ether 00:0c:29:21:f5:e8  txqueuelen 1000  (Ethernet)
        RX packets 204  bytes 252830 (252.8 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 167  bytes 11661 (11.6 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 19  base 0x2000

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 92  bytes 7128 (7.1 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 92  bytes 7128 (7.1 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

owob@adee:~$
```

2. **Masuk/Login ke Ubuntu Server menggunakan Putty SSH server, lalu masukan hostname/ip address**

3. Login ke putty

4. Untuk menginstal server web Apache, jalankan perintah berikut:

sudo apt update

sudo apt install apache2

5. **Setelah instalasi selesai, aktifkan dan mulai Apache:**

sudo systemctl start apache2

sudo systemctl enable apache2

```
owob@adee:~$ sudo systemctl start apache2
owob@adee:~$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /lib/system
d/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
owob@adee:~$
```

6. **Instal PHP dan modul yang diperlukan untuk berjalan bersama Apache:**

sudo apt install php libapache2-mod-php php-mysql

Setelah instalasi, pastikan PHP bekerja dengan Apache dengan baik:

sudo systemctl restart apache2

```
owob@adee:~$ sudo apt install php libapache2-mod-php php-mysql
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libapache2-mod-php8.1 php-common php8.1 php8.1-cli php8.1-common
  php8.1-mysql php8.1-opcache php8.1-readline
Suggested packages:
owob@adee:~$ sudo systemctl restart apache2
owob@adee:~$
```

7. **Instal Database Server (MySQL):**

Berikut contoh penggunaan Mysql:

sudo apt install mariadb-server

Setelah instalasi selesai, amankan instalasi mysql:sudo

mysql_secure_installation

- **Buat Database dan Pengguna Database**

Log masuk ke mysql sebagai root:

sudo mysql

Buat database baru dan pengguna database untuk WordPress. Gantilah
`nama_database`, `nama_pengguna`, dan
`password_pengguna`

```
MariaDB [(none)]> CREATE DATABASE adeee;
Query OK, 1 row affected (0,001 sec)

MariaDB [(none)]> CREATE USER 'ade'@'localhost' IDENTIFIED BY 'adeprabowo1904
03';
ERROR 1396 (HY000): Operation CREATE USER failed for 'ade'@'localhost'
MariaDB [(none)]> CREATE USER 'adee'@'localhost' IDENTIFIED BY 'adeprabowo190
403';
Query OK, 0 rows affected (0,005 sec)

MariaDB [(none)]>  GRANT ALL PRIVILEGES ON adeee.* TO 'adee'@'localhost';
Query OK, 0 rows affected (0,005 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0,001 sec)

MariaDB [(none)]> EXIT;
Bye
owob@adee:~$
```

8. **Instal WordPress:**

   Unduh dan ekstrak arsip WordPress ke direktori web root. Gantilah
   `nama_folder` dengan nama folder yang diinginkan:

```
owob@adee:/var/www/html$ sudo mv wordpress ade
```

9. **Konfigurasi WordPress:**

   Buat salinan file konfigurasi WordPress:
   Selanjutnya, edit file `wp-config.php`:

```
owob@adee:/var/www/html$ sudo mv wordpress ade
owob@adee:/var/www/html$ sudo cp /var/www/html/ade/wp-config-sample.php /var/
www/html/ade/wp-config.php
owob@adee:/var/www/html$ sudo nano /var/www/html/ade/wp-config.php
```

   Ganti konfigurasi database dengan informasi yang sesuai yang telah dibuat
   sebelumnya:

```
define( 'DB_NAME', 'adeee' );

/** Database username */
define( 'DB_USER', 'adee' );

/** Database password */
define( 'DB_PASSWORD', 'adeprabowo190403' );

/** Database hostname */
define( 'DB_HOST', 'localhost' );

/** Database charset to use in creating database tables. */
define( 'DB_CHARSET', 'utf8' );

/** The database collate type. Don't change this if in doubt. */
define( 'DB_COLLATE', '' );
```

10. **Setel Hak Akses dan konfiguradi web server**

    Pastikan Apache memiliki hak akses yang tepat ke folder WordPress. kemudian Buat
    konfigurasi server web Apache untuk mengarahkan permintaan keWordPress. Buat file
    konfigurasi baru:

```
owob@adee:/var/www/html$ sudo nano /var/www/html/ade/wp-config.php
owob@adee:/var/www/html$ sudo chown -R www-data:www-data /var/www/html/ade
owob@adee:/var/www/html$  sudo nano /etc/apache2/sites-available/192.168.85.
130.conf
```

Isi konfigurasi server web:

```
<VirtualHost *:80>
        ServerAdmin admin@192.168.85.130
        DocumentRoot /var/www/html/ade
        ServerName 192.168.85.130
        ServerAlias www.192.168.85.130
        <Directory /var/www/html/ade>
            Options FollowSymLinks
            AllowOverride All
            Require all granted
        </Directory>
        ErrorLog ${APACHE_LOG_DIR}/error.log
        CustomLog ${APACHE_LOG_DIR}/access.log combined
    </VirtualHost>
```

11. Aktifkan Konfigurasi dan restart Apache:
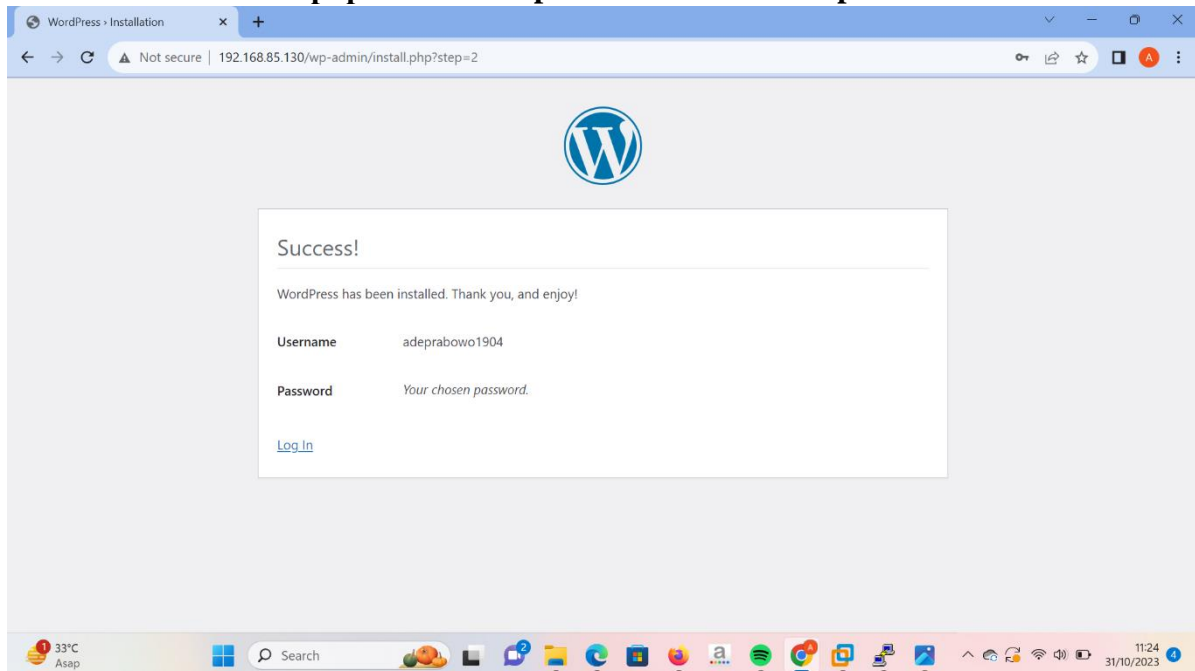
Aktifkan konfigurasi situs dan restart Apache:

```
owob@adee:/var/www/html$  sudo a2ensite 192.168.85.130.conf
Site 192.168.85.130 already enabled
owob@adee:/var/www/html$ sudo systemctl restart apache2
owob@adee:/var/www/html$
```

12. Cek status keaktifan apache2:

```
owob@adee:/var/www/html$ sudo systemctl restart apache2
owob@adee:/var/www/html$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor pr>
     Active: active (running) since Tue 2023-10-31 04:09:00 UTC; 59s ago
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 2516 ExecStart=/usr/sbin/apachectl start (code=exited, status=0>
   Main PID: 2521 (apache2)
      Tasks: 6 (limit: 1934)
     Memory: 10.2M
        CPU: 139ms
     CGroup: /system.slice/apache2.service
             ├─2521 /usr/sbin/apache2 -k start
             ├─2522 /usr/sbin/apache2 -k start
             ├─2523 /usr/sbin/apache2 -k start
             ├─2524 /usr/sbin/apache2 -k start
             ├─2525 /usr/sbin/apache2 -k start
             └─2526 /usr/sbin/apache2 -k start

Okt 31 04:09:00 adee systemd[1]: Starting The Apache HTTP Server...
Okt 31 04:09:00 adee apachectl[2520]: AH00558: apache2: Could not reliably d>
Okt 31 04:09:00 adee systemd[1]: Started The Apache HTTP Server.
...skipping...
● apache2.service - The Apache HTTP Server
     Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor pr>
     Active: active (running) since Tue 2023-10-31 04:09:00 UTC; 59s ago
```

13. Lalu ke web dan ketik sesuai domain "http://192.168.85.130/wp-admin/install.php" maka tampilan akan berubah seperti ini:

Kemudian langsung masuk ke admin page. Ini adalah tampilan Homepage untuk Admin Server: