

LAPORAN PEMROSESAN PARALEL

“Wordpress”



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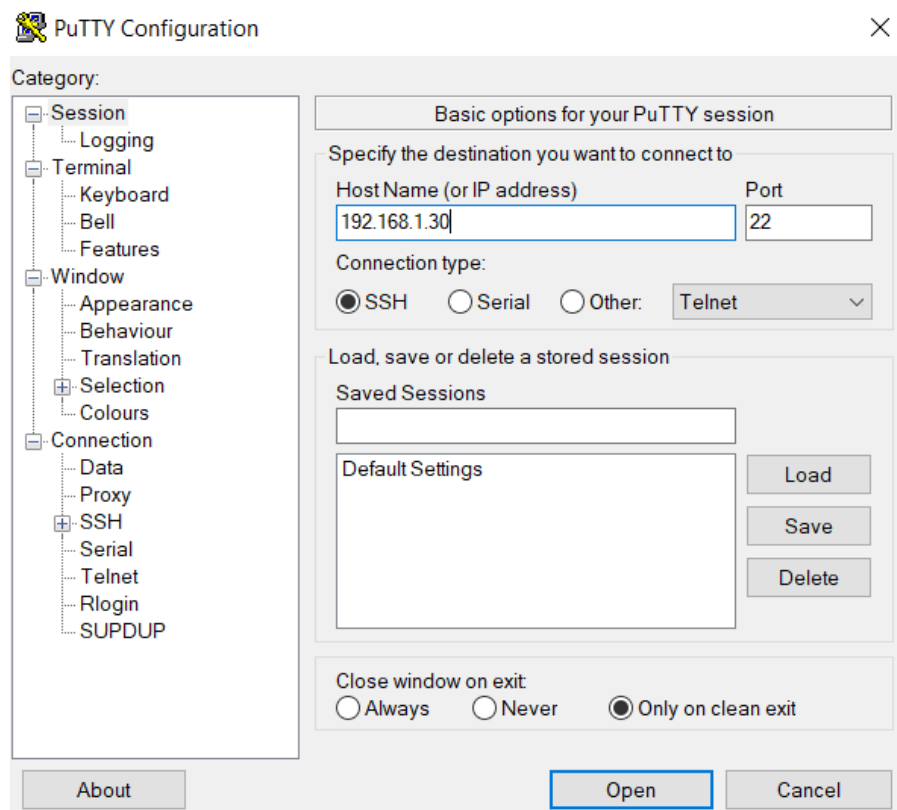
1. Setelah login ke ubuntu, ketik ifconfig -a untuk mengecek ip

```
abdillah@abdillah:~$ ifconfig -a
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.30 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::a00:27ff:fe75:d359 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:75:d3:59 txqueuelen 1000 (Ethernet)
    RX packets 248 bytes 297819 (297.8 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 134 bytes 12156 (12.1 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

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 96 bytes 7816 (7.8 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 96 bytes 7816 (7.8 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

abdillah@abdillah:~$
```

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



3. Login ke putty

```
abdillah@abdillah: ~  
login as: abdillah  
abdillah@192.168.1.30's password:  
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-87-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Min 29 Okt 2023 09:55:03 UTC  
  
System load:  0.0498046875      Processes:            108  
Usage of /:   52.6% of 8.02GB   Users logged in:     1  
Memory usage: 12%              IPv4 address for enp0s3: 192.168.1.30  
Swap usage:   0%  
  
Expanded Security Maintenance untuk Applications tidak difungsikan.  
  
27 pemutakhiran dapat diterapkan saat ini juga.  
Untuk melihat pemutakhiran tambahan ini jalankan: apt list --upgradable  
  
Fungsikan ESM Apps untuk menerima pembaruan keamanan tambahan di masa depan.  
Lihat https://ubuntu.com/esm atau jalankan: sudo pro status
```

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

sudo apt update

sudo apt install apache2

```
abdillah@abdillah: ~  
Last login: Sun Oct 29 09:55:04 2023 from 192.168.1.28  
abdillah@abdillah:~$ sudo apt update  
[sudo] password for abdillah:  
Hit:1 http://id.archive.ubuntu.com/ubuntu jammy InRelease  
Get:2 http://id.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]  
Get:3 http://id.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]  
Get:4 http://id.archive.ubuntu.com/ubuntu jammy-security InRelease [110 kB]  
Get:5 http://id.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1.1  
04 kB]  
  
19 packages can be upgraded. Run 'apt list --upgradable' to see them.  
abdillah@abdillah:~$ sudo apt install apache2  
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 bzip2 libapr1 libaprutil1  
  libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support  
  ssl-cert
```

5. Setelah instalasi selesai, aktifkan dan mulai Apache:

```
sudo systemctl start apache2
```

```
sudo systemctl enable apache2
```

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

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
```

```
abdillah@abdillah: ~
abdillah@abdillah:~$ 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
abdillah@abdillah:~$ sudo systemctl restart apache2
abdillah@abdillah:~$
```

7. Instal Database Server (MySQL):

Berikut contoh penggunaan Mysql:

```
sudo apt install mariadb-server
```

Setelah instalasi selesai, amankan instalasi mysql:

```
sudo mysql_secure_installation
```

```
abdillah@abdillah: ~  
abdillah@abdillah:~$ sudo apt install mysql-server  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:  
  libcgi-fast-perl libcgi-pm-perl libclone-perl libencode-locale-perl  
  libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi01db1  
  libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl  
  libhttp-date-perl libhttp-message-perl libio-html-perl  
  liblwp-mediatypes-perl libmecab2 libprotobuf-lite23 libtimedate-perl
```

8. Buat Database dan Pengguna Database

Log masuk ke mysql sebagai root:

sudo mysql

```
abdillah@abdillah:~$ sudo mysql_secure_installation  
  
Securing the MySQL server deployment.  
  
Connecting to MySQL using a blank password.  
  
VALIDATE PASSWORD COMPONENT can be used to test passwords  
and improve security. It checks the strength of password  
and allows the users to set only those passwords which are  
secure enough. Would you like to setup VALIDATE PASSWORD component?  
  
Press y|Y for Yes, any other key for No: y  
  
There are three levels of password validation policy:  
  
LOW      Length >= 8  
MEDIUM  Length >= 8, numeric, mixed case, and special characters  
STRONG  Length >= 8, numeric, mixed case, special characters and dictionary  
          file  
  
Please enter 0 = LOW, 1 = MEDIUM and 2 = STRONG: ^C  
abdillah@abdillah:~$
```

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

```
mysql> CREATE DATABASE abdillah_database;  
Query OK, 1 row affected (0,01 sec)  
  
mysql> CREATE USER 'abdillah'@'localhost' IDENTIFIED BY '123Bpempty_';  
Query OK, 0 rows affected (0,03 sec)  
  
mysql> GRANT ALL PRIVILEGES ON abdillah_database.* TO 'abdillah'@'localhost';  
Query OK, 0 rows affected (0,02 sec)  
  
mysql> FLUSH PRIVILEGES;  
Query OK, 0 rows affected (0,01 sec)  
  
mysql>  
  
mysql> EXIT;  
Bye  
abdillah@abdillah:~$
```

9. Instal WordPress:

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

```
abdillah@abdillah:~$ cd /var/www/html
abdillah@abdillah:/var/www/html$ sudo wget https://wordpress.org/latest.tar.gz
--2023-10-29 10:25:12-- 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: 23465047 (22M) [application/octet-stream]
Saving to: 'latest.tar.gz'

latest.tar.gz      100%[=====] 22,38M  1,59MB/s   in 19s

2023-10-29 10:25:32 (1,16 MB/s) - 'latest.tar.gz' saved [23465047/23465047]

abdillah@abdillah:/var/www/html$ 
abdillah@abdillah:/var/www/html$ sudo tar -xzf latest.tar.gz
abdillah@abdillah:/var/www/html$ sudo mv wordpress abdillah_folder
abdillah@abdillah:/var/www/html$
```

10. Konfigurasi WordPress:

Buat salinan file konfigurasi WordPress:

```
abdillah@abdillah:/var/www/html$ sudo nano /var/www/html/abdillah_folder/wp-config
ig.php
abdillah@abdillah:/var/www/html$
```

Selanjutnya, edit file `wp-config.php`:

```
abdillah@abdillah:/var/www/html$ sudo mv wordpress abdillah_folder
abdillah@abdillah:/var/www/html$ sudo cp /var/www/html/abdillah_folder/wp-config
-sample.php /var/www/html/abdillah_folder/wp-config.php
abdillah@abdillah:/var/www/html$
```

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

```
GNU nano 6.2 /var/www/html/abdillah_folder/wp-config.php
* @package WordPress
*/

// ** Database settings - You can get this info from your web host ** //
/** The name of the database for WordPress */
define( 'DB_NAME', 'abdillah_database' );

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

/** Database password */
define( 'DB_PASSWORD', '123Bpmppty_' );

/** 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. */

^C Help      ^O Write Out  ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File  ^N Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

11. Setel Hak Akses:

Pastikan Apache memiliki hak akses yang tepat ke folder WordPress:

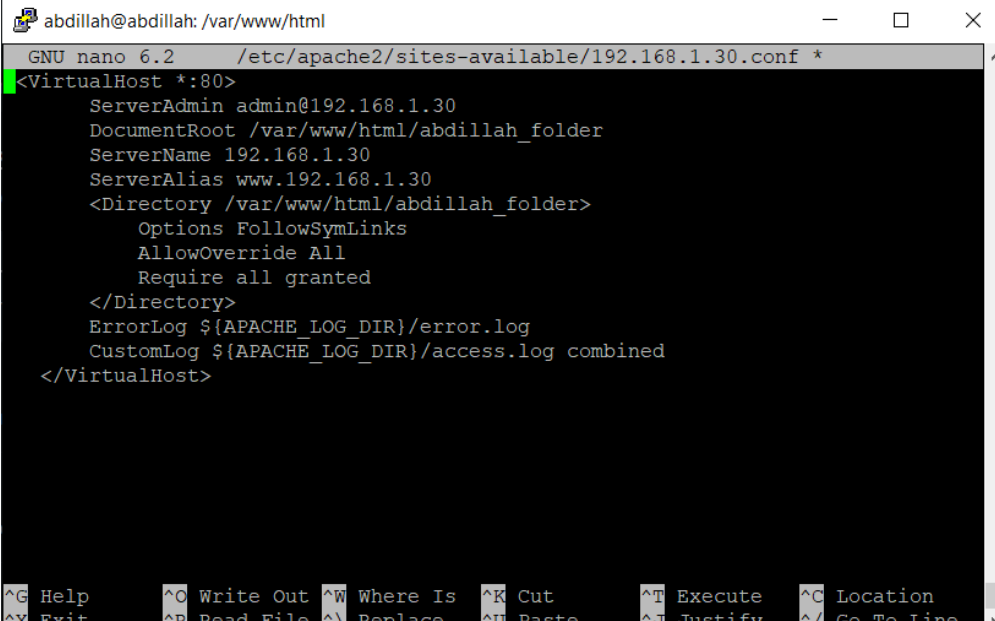
```
abdillah@abdillah:/var/www/html$ sudo chown -R www-data:www-data /var/www/html/abdillah_folder
abdillah@abdillah:/var/www/html$
```

12. Konfigurasi Web Server:

Buat konfigurasi server web Apache untuk mengarahkan permintaan ke WordPress. Buat file konfigurasi baru:

```
abdillah@abdillah:/var/www/html$ sudo nano /etc/apache2/sites-available/192.168.1.30.conf
abdillah@abdillah:/var/www/html$
```

Isi konfigurasi server web:



```
GNU nano 6.2 /etc/apache2/sites-available/192.168.1.30.conf *
<VirtualHost *:80>
    ServerAdmin admin@192.168.1.30
    DocumentRoot /var/www/html/abdillah_folder
    ServerName 192.168.1.30
    ServerAlias www.192.168.1.30
    <Directory /var/www/html/abdillah_folder>
        Options FollowSymLinks
        AllowOverride All
        Require all granted
    </Directory>
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>
```

Help Write Out Where Is Cut Execute Location
Exit Read File Replace Paste Justify Go To Line

13. Aktifkan Konfigurasi dan restart Apache:

Aktifkan konfigurasi situs dan restart Apache:

```
abdillah@abdillah:/var/www/html$ sudo nano /etc/apache2/sites-available/192.168.1.30.conf
abdillah@abdillah:/var/www/html$ sudo a2ensite 192.168.1.30.conf
Enabling site 192.168.1.30.
To activate the new configuration, you need to run:
    systemctl reload apache2
abdillah@abdillah:/var/www/html$
abdillah@abdillah:/var/www/html$ sudo systemctl restart apache2
abdillah@abdillah:/var/www/html$
```

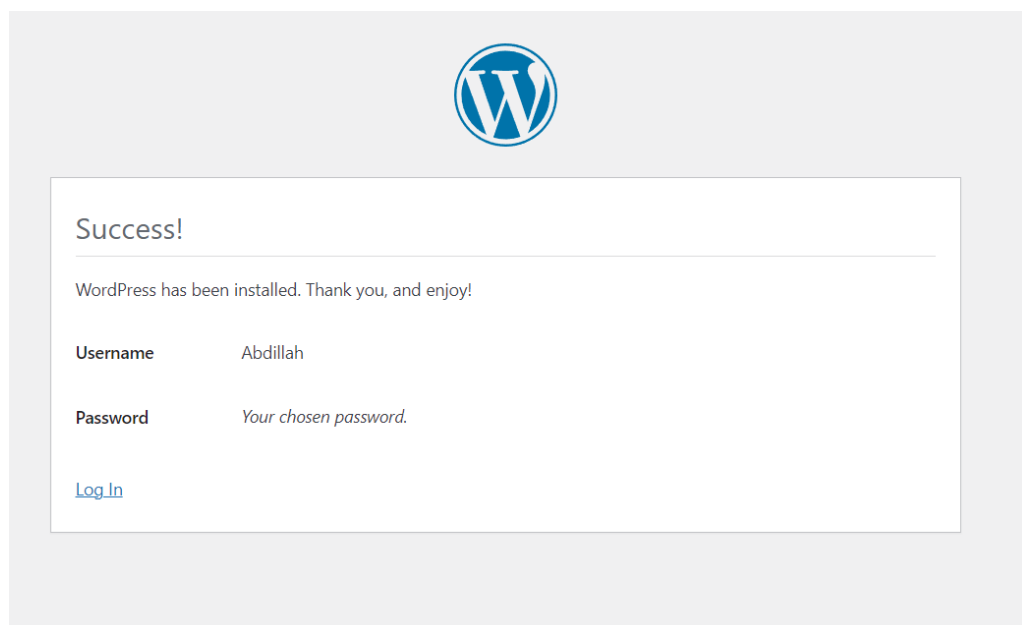
14. Cek status keaktifan apache2:

```
abdillah@abdillah: /var/www/html
systemctl reload apache2
abdillah@abdillah:/var/www/html$ sudo systemctl restart apache2
abdillah@abdillah:/var/www/html$ sudo systemctl statua apache2
Unknown command verb statua.
abdillah@abdillah:/var/www/html$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor prese
   Active: active (running) since Sun 2023-10-29 10:43:07 UTC; 1min 14s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 11345 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/S
 Main PID: 11349 (apache2)
    Tasks: 6 (limit: 2221)
   Memory: 10.4M
      CPU: 83ms
   CGroup: /system.slice/apache2.service
           └─11349 /usr/sbin/apache2 -k start
             └─11350 /usr/sbin/apache2 -k start
               └─11351 /usr/sbin/apache2 -k start
                 └─11352 /usr/sbin/apache2 -k start
                   └─11353 /usr/sbin/apache2 -k start
                     └─11354 /usr/sbin/apache2 -k start

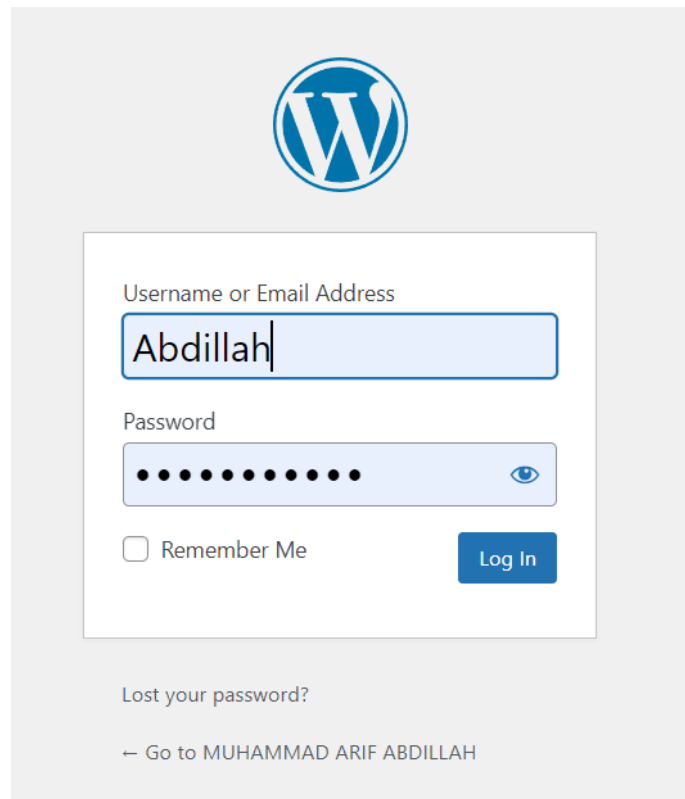
Okt 29 10:43:07 abdillah systemd[1]: Starting The Apache HTTP Server...
Okt 29 10:43:07 abdillah apachectl[11348]: AH00558: apache2: Could not reliably>

abdillah@abdillah:/var/www/html$ ls
abdillah folder index.html latest.tar.gz
abdillah@abdillah:/var/www/html$
```

15. Lalu ke web dan ketik sesuai domain “http://192.168.1.30/wp-admin/install.php” maka tampilan akan berubah seperti ini:

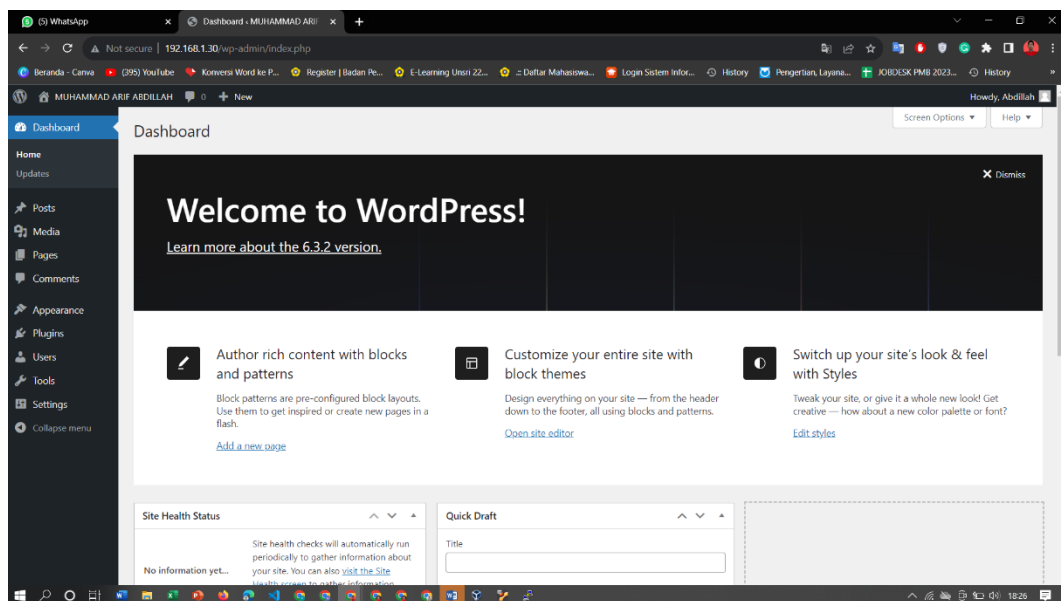


Kemudian langsung masuk ke admin page:



The image shows the WordPress login page. At the top center is the WordPress logo. Below it is a white box containing the login form. The form has two input fields: 'Username or Email Address' with the text 'Abdillah' entered, and 'Password' with masked characters. Below the password field is a 'Remember Me' checkbox and a 'Log In' button. At the bottom of the form box, there is a link 'Lost your password?' and a link 'Go to MUHAMMAD ARIF ABDILLAH'.

Ini adalah tampilan Homepage untuk Admin Server:



Ini adalah tampilan Halaman Web anda pada saat pengunjung masuk:

