

CARA MENDOWNLOAD WORDPRESS, NGINX, DAN TABLEAU



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JURUSAN SISTEM KOMPUTER

FAKULTAS ILMU KOMPUTER

UNIVERSITAS SRIWIJAYA

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CARA MENDOWLOAD WORDPRESS

1. Install dan lakukan konfigurasi Apache2

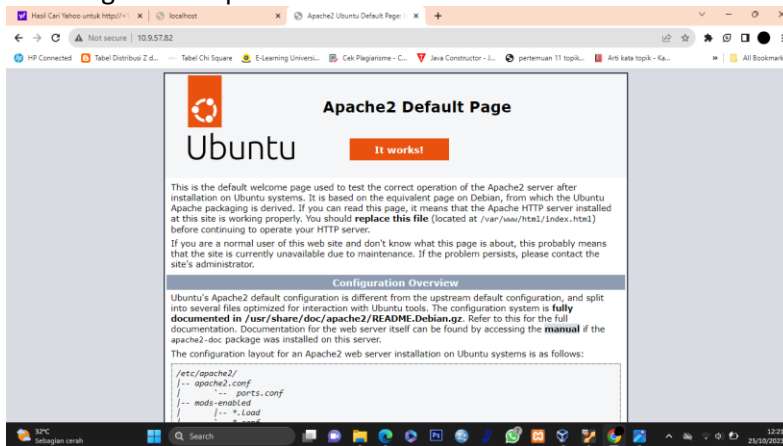
```
root@zaraa:/home/zaraa# apt-get install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.52-1ubuntu4.6).
0 upgraded, 0 newly installed, 0 to remove and 28 not upgraded.
root@zaraa:/home/zaraa#
```

2. Kemudian cek status dari Apache2 apakah sudah active atau belum

```
root@zaraa:/home/zaraa# systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: ena
   Active: active (running) since Tue 2023-10-24 14:12:53 UTC; 19min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 2164 (apache2)
    Tasks: 55 (limit: 2221)
   Memory: 5.3M
      CPU: 148ms
   CGroup: /system.slice/apache2.service
           └─2164 /usr/sbin/apache2 -k start
             └─2166 /usr/sbin/apache2 -k start
               └─2167 /usr/sbin/apache2 -k start

Oct 24 14:12:53 zaraa systemd[1]: Starting The Apache HTTP Server...
Oct 24 14:12:53 zaraa apachectl[2163]: AH00558: apache2: Could not reliably determine
Oct 24 14:12:53 zaraa systemd[1]: Started The Apache HTTP Server.
lines 1-16/16 (END)
```

3. Jika sudah active kita dapat mencoba memasukkan ip kita pada web browser dan akan muncul gambar seperti dibawah.



4. Setelah menginstall Apache2 selanjutnya adalah menginstall MySQL. Untuk menginstall mysql gunakan perintah “sudo apt install mysql-server”

```
root@zahra:~# 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 libfcgi10ldbl 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 liburi-perl mecab-ipadic
  mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common
  mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
  libdata-dump-perl libipc-sharedcache-perl libbusiness-isbn-perl libwww-perl mailx tinycat
The following NEW packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libclone-perl libencode-locale-perl libevent-pthreads-2.1-7
  libfcgi-bin libfcgi-perl libfcgi10ldbl 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 liburi-perl mecab-ipadic
  mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server
  mysql-server-8.0 mysql-server-core-8.0
0 upgraded, 28 newly installed, 0 to remove and 0 not upgraded.
Need to get 29.6 MB of archives.
After this operation, 243 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

5. Kemudian lakukan pengaturan terhadap keamanan untuk melakukan perlindungan terhadap database. Dengan menggunakan perintah “sudo mysql_secure_intallation”

```

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) : y
Success.

Normally, root should only be allowed to connect from
'localhost'. This ensures that someone cannot guess at
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!
root@zahra:~# sudo _

```

6. Selanjutnya adalah melakukan install PHP

```

root@zahra:~# 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-cgi php8.1-common php8.1-mysql php8.1-openssl
  php8.1-readline
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php libapache2-mod-php8.1 php php-common php-mysql php8.1 php8.1-cgi
  php8.1-common php8.1-mysql php8.1-openssl php8.1-readline
0 upgraded, 11 newly installed, 0 to remove and 0 not upgraded.
Need to get 5265 kB of archives.
After this operation, 21.8 MB of additional disk space will be used.
Do you want to continue? [Y/n] y_

```

7. Kemudian install extension PHP dengan menggunakan perintah, “ sudo apt install php-curl php-gd php-mbstring php-xml php-xmlrpc php-soap php-intl php-zip.
8. Selanjutnya adalah menginstall Wordpress, untuk menginstall wodpress kita harus masuk ke web server root dan masuk ke direktori “cd /var/www/html/, selanjutnya lakukan penginstallan file wordpress seperti pada gambar dibawah ini.

```

root@zahra:~# cd /var/www
root@zahra:/var/www# wget http://wordpress.org/latest.zip
--2023-10-24 14:37:10-- http://wordpress.org/latest.zip
Resolving wordpress.org (wordpress.org)... 198.143.164.252, 64:ff9b:c68f:a4fc
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.zip [following]
--2023-10-24 14:37:11-- https://wordpress.org/latest.zip
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 24962936 (24M) [application/zip]
Saving to: 'latest.zip'

latest.zip           100%[=====] 23.81M  563KB/s

2023-10-24 14:37:46 (717 KB/s) - 'latest.zip' saved [24962936/24962936]

root@zahra:/var/www# _

```

Setelah itu ketikkan perintah “sudo tar -xzf latest.tar.gz” dan selanjutnya lihat apakah wordpress sudah terdapat pada ubuntu server tersebut.

```

wordpress/wp-admin/js/media-upload.js
wordpress/wp-admin/js/media.js
wordpress/wp-admin/js/editor-expand.min.js
wordpress/wp-admin/js/media-gallery.min.js
wordpress/wp-admin/js/common.min.js
wordpress/wp-admin/js/tags-box.min.js
wordpress/wp-admin/js/svg-painter.min.js
wordpress/wp-admin/js/custom-background.js
wordpress/wp-admin/js/color-picker.min.js
wordpress/wp-admin/js/auth-app.js
wordpress/wp-admin/js/code-editor.js
wordpress/wp-admin/js/common.js
wordpress/wp-admin/js/set-post-thumbnail.min.js
wordpress/wp-admin/js/postbox.min.js
wordpress/wp-admin/js/color-picker.js
wordpress/wp-admin/js/password-strength-meter.js
wordpress/wp-admin/js/customize-nav-menus.js
wordpress/wp-admin/js/editor-expand.js
wordpress/wp-admin/js/code-editor.min.js
wordpress/wp-admin/js/set-post-thumbnail.js
wordpress/wp-admin/options-permalink.php
wordpress/wp-admin/widgets.php
wordpress/wp-admin/setup-config.php
wordpress/wp-admin/install.php
wordpress/wp-admin/admin-header.php
wordpress/wp-admin/post-new.php
wordpress/wp-admin/themes.php
wordpress/wp-admin/options-reading.php
wordpress/wp-trackback.php
wordpress/wp-comments-post.php
root@zahra:/var/www/html# ls -l
total 22936
-rw-r--r-- 1 root root 10671 Oct 25 03:33 index.html
-rw-r--r-- 1 root root 20 Oct 25 03:45 info.php
-rw-r--r-- 1 root root 23465047 Oct 12 19:13 latest.tar.gz
drwxr-xr-x 5 nobody nogroup 4096 Oct 12 19:12 wordpress
root@zahra:/var/www/html# _

```

9. Selanjutnya adalah membuat database untuk wordpress

```

root@zahra:/var/www/html# sudo chown -R www-data:/var/www/html/wordpress
root@zahra:/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 12
Server version: 8.0.34-0ubuntu0.22.04.1 (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 demo_db;
Query OK, 1 row affected (0.02 sec)

mysql> CREATE USER zahra@localhost IDENTIFIED BY 'Akusayia12.';
Query OK, 0 rows affected (0.04 sec)

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

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

mysql> exit;
bye
root@zahra:/var/www/html# _

```

10. Selanjutnya berikan perizinan untuk dapat mengakses wordpress folder

```
root@zahna:/var/www/html# sudo chmod -R 777wordpress/
chmod: missing operand after '777wordpress/'
Try 'chmod --help' for more information.
root@zahna:/var/www/html# sudo chmod -R 777 wordpress/
root@zahna:/var/www/html# cd wordpress
root@zahna:/var/www/html/wordpress#
```

11. Setelah itu lakukan konfigurasi file pada wordpress, dengan menggunakan perintah “mv wp-config-sample.php wp-config.php” setelah itu “nano wp.config.php”

```
GNU nano 1.2.2 up-config.php
/*
 * Database settings
 * Secret keys
 * Database table prefix
 * Admin
 *
 * @link: https://wordpress.org/documentation/article/editing-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', 'demo_db' );

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

/* Database password */
define( 'DB_PASSWORD', 'Akusaya12.' );

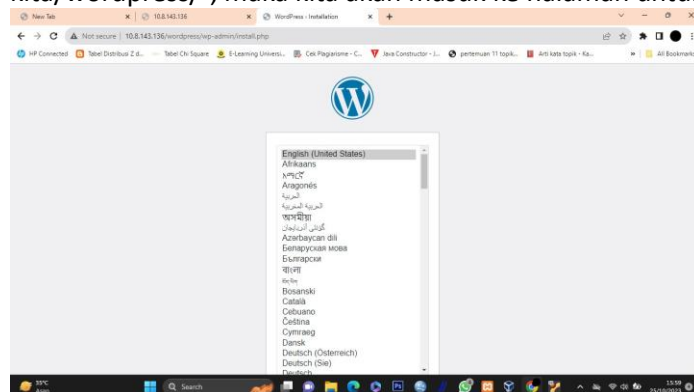
/* Database hostname */
define( 'DB_HOST', 'localhost' );

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

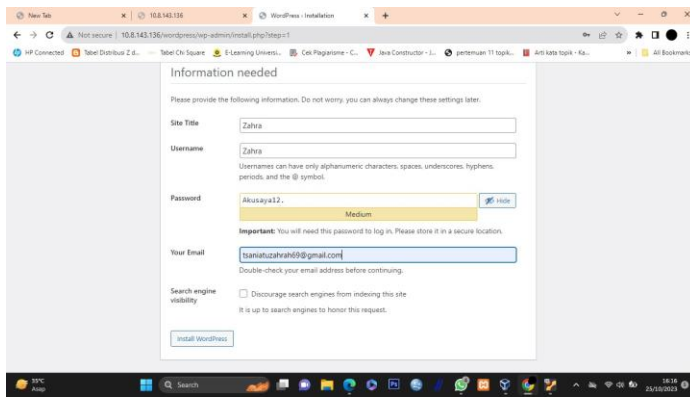
/* The database collate type. Don't change this if in doubt. */
define( 'DB_COLLATE', '' );

/**
 * Authentication unique keys and salts.
 */
```

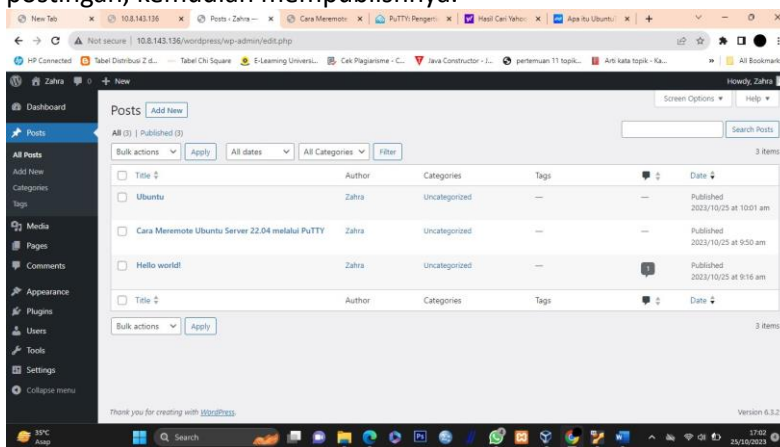
- Setelah selesai melakukan konfigurasi, selanjutnya pergi ke web browser dan ketik "ip kita/wordpress/", maka kita akan masuk ke halaman untuk menginstall wordpress.



13. Setelah memilih bahasa selanjutnya adalah melengkapi data seperti, site title, username, password,, email, dan seaech engine visibility.



14. Setelah itu kita dapat melakukan login dengan username dan password yang sudah kita buat. Kemudian akan muncul tampilan wordpress, kita dapat melakukan posting dengan mengklik pilihan "post" yang ada di sebelah kiri kemudian pilih "new post" dan kita dapat membuat postingan, kemudian mempublishnya.



Terlihat pada gambar diatas saya sudah memposting 2 postingan, yaitu "Cara meremote Ubuntu server 22.04 melalui PuTTY" dan "Ubuntu".

CARA MENGINSTALL NGINX

1. Gunakan perintah perintah "sudo apt install nginx"

```

zahra@zahra:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libnginx-mod-http-geoip2 libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 nginx-common nginx-core
Suggested packages:
  fcgiwrap nginx-doc
The following NEW packages will be installed:
  libnginx-mod-http-geoip2 libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libnginx-mod-stream-geoip2 nginx nginx-common nginx-core
0 upgraded, 9 newly installed, 0 to remove and 0 not upgraded.
Need to get 697 kB of archives.
After this operation, 2395 kB of additional disk space will be used.
Do you want to continue? [Y/n] y_

```

2. Kemudian cek apakah nginx sudah terinstall

```

zahra@zahra:~$ sudo ufw app list
Available applications:
  Apache
  Apache Full
  Apache Secure
  Nginx Full
  Nginx HTTP
  Nginx HTTPS
  OpenSSH
zahra@zahra:~$ sudo ufw allow 'Nginx HTTP'
Rules updated
Rules updated (v6)
zahra@zahra:~$ sudo ufw _

```

3. Kemudian cek status dari nginx, sebelumnya jika telah menginstall apache2 maka apache2 harus di stop terlebih dahulu menggunakan "systemctl stop apache2" kemudian mulai menggunakan nginx dengan menggunakan perintah "systemctl start nginx", setelah itu cek status dari nginx.

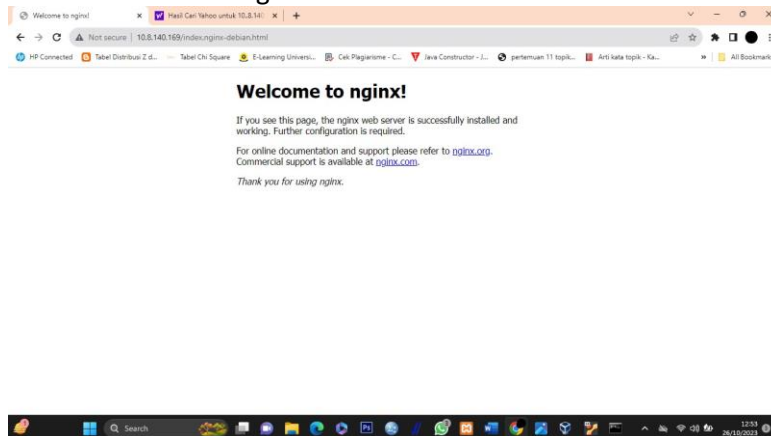
```

zahra@zahra:~$ sudo systemctl start nginx
zahra@zahra:~$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2023-10-25 10:44:17 UTC; 6s ago
     Docs: man:nginx(8)
   Process: 2154 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0)
   Process: 2155 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0)
   Main PID: 2156 (nginx)
    Tasks: 2 (limit: 2221)
   Memory: 2.5M
      CPU: 29ms
   CGroup: /system.slice/nginx.service
           └─2156 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             └─2157 "nginx: worker process"

Oct 25 10:44:17 zahra systemd[1]: Starting A high performance web server and a reverse proxy server: nginx.
Oct 25 10:44:17 zahra systemd[1]: Started A high performance web server and a reverse proxy server: nginx.
zahra@zahra:~$

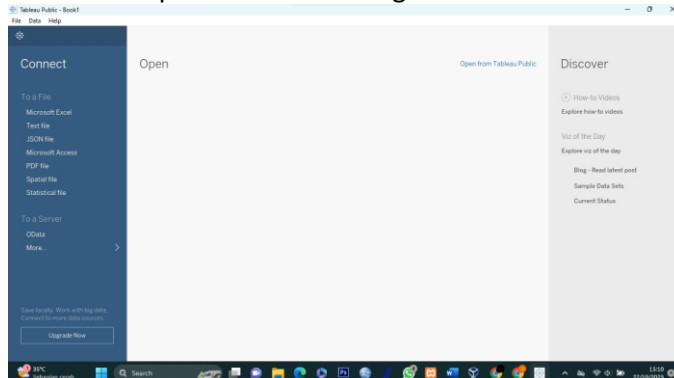
```

4. Kemudian cek ip address kita dan buka web browser masukkan ip kita dan akan muncul tulisan welcome to nginx

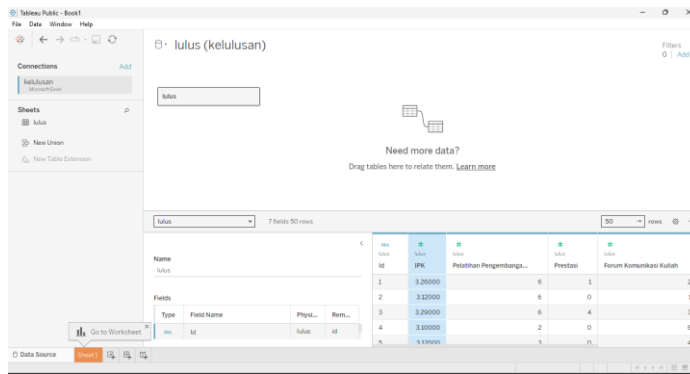


CARA INSTALL TABLEAU DAN MELAKUKAN VISUALISASI DATA PADA TABLEAU

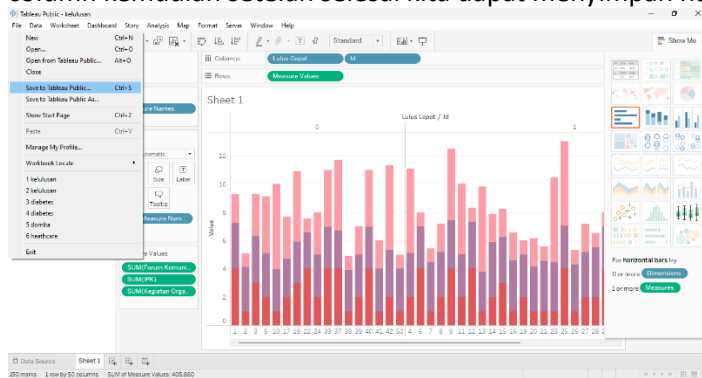
1. Pertama cari tableau pada web browser
2. Kemudian disini saya akan menginstall tableau public, jadi saya mengklik pilihan tableau public
3. Selanjutnya klik pada tulisan create, disana akan terdapat pilihan download tableau public edition dan klik pilih tersebut
4. Kemudian kita akan diarahkan untuk mengisi data terlebih dahulu, baru kemudian kita dapat melakukan download.
5. Selanjutnya setelah proses download selesai, lakukan instalasi tableau pada komputer
6. Dan tableau public sudah bisa digunakan untuk visualisasi data.



7. Kita dapat memilih pilihan pada bagian sebelah kiri untuk memasukkan data yang akan kita gunakan untuk visualisasi, pilih sesuai bentuk data yang akan kita olah.
8. Kemudian setelah itu tampilannya akan seperti pada gambar dibawah ini, untuk melakukan visualisasi data klik tulisan sheet pada bagian kiri bawah, kemudian kita dapat melakukan visualisasi data.



9. Setelah mengklik pilihan sheet kita dapat melakukan visualisasi data sesuai kebutuhan kita. Visualisasi data dapat dilakukan dengan menyeret bagian tables ke rows atau pun column kemudian setelah selesai kita dapat menyimpan hasil visualisasi data tersebut



10. Dari dataset tersebut dapat divisualisaikan mahasiswa yang lulus cepat, dengan yang tidak lulus cepat. Kemudian kita juga dapat melihat IPK, jumlah organisasi yang diikuti, serta berapa kali mahasiswa tersebut mengikuti forum komunikasi.

