TUGAS PEMROSESAN PARALEL

“Visualisasi Data di Tableau”

DISUSUN OLEH:

AGUNG RIZQI RAMADHAN

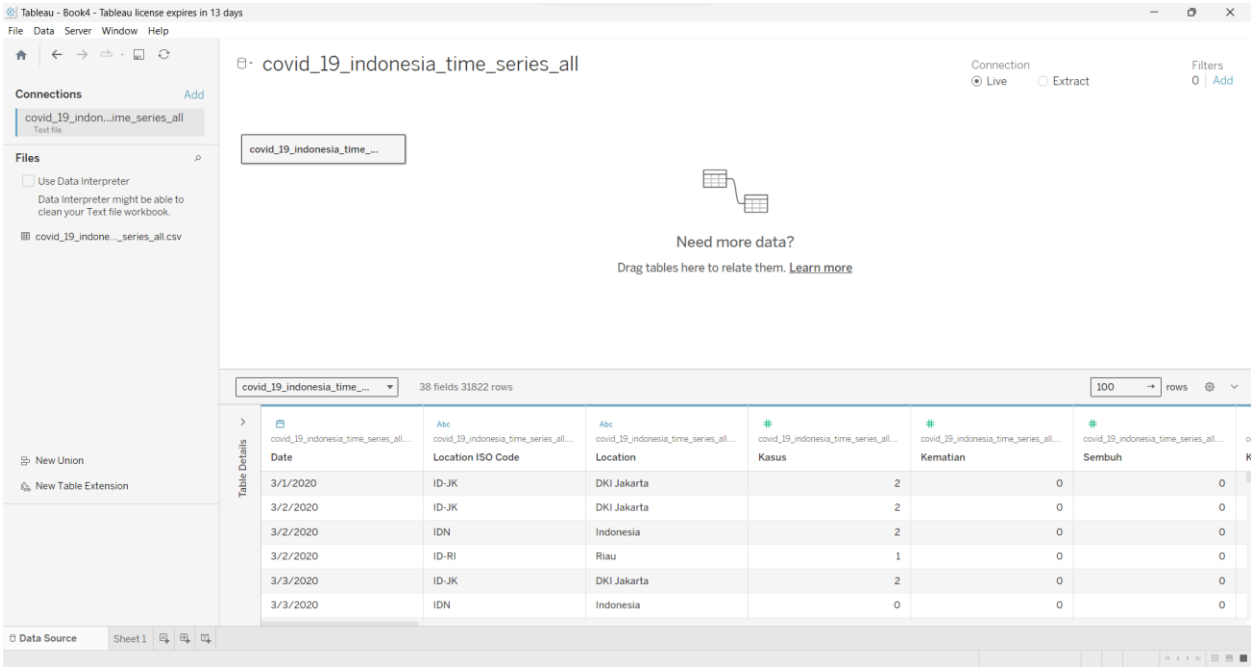
09011382126157

SISTEM KOMPUTER 5 C

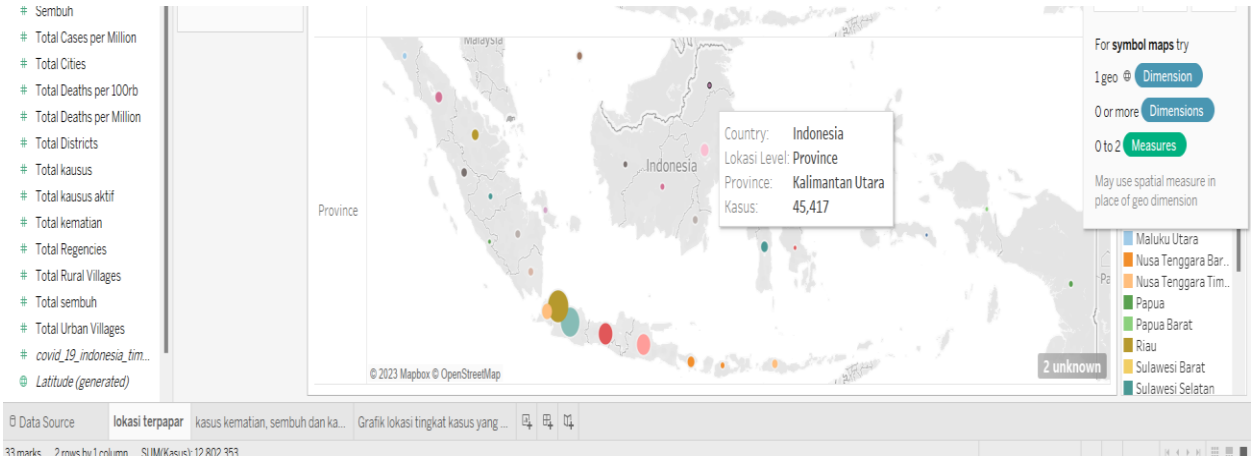
Dosen Pengampu :

ADI HERMANSYAH, S.KOM., M.T

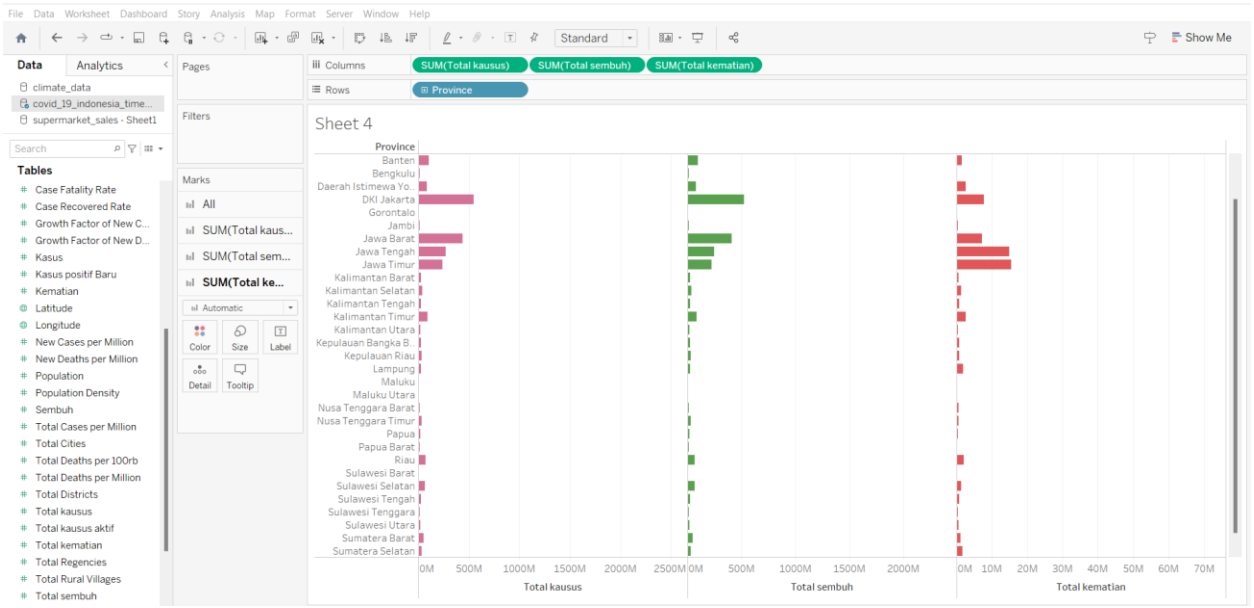
AHMAD HERYANTO, S.KOM, M.T.



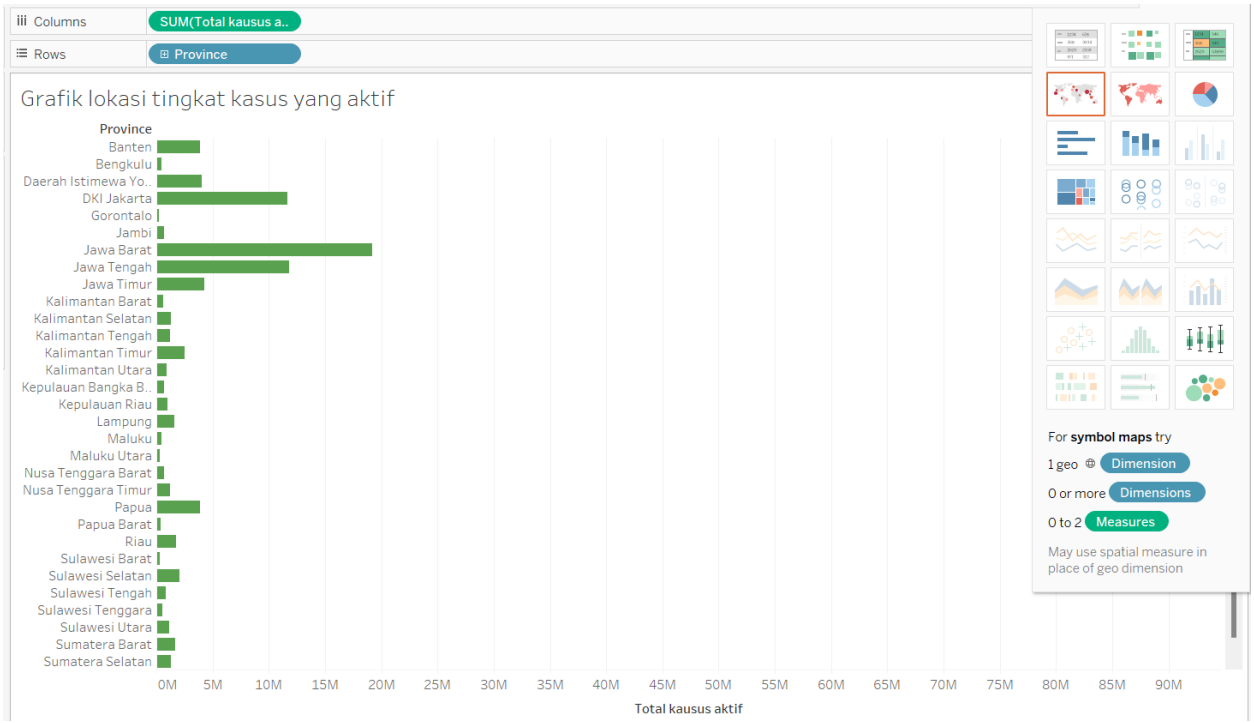
Langkah pertama setelah saya memasuki aplikasi tableau, saya memilih data yang akan saya visualisasi. dapat kita lihat saya memilih data covid 19. Selanjutnya saya klik sheet1 .



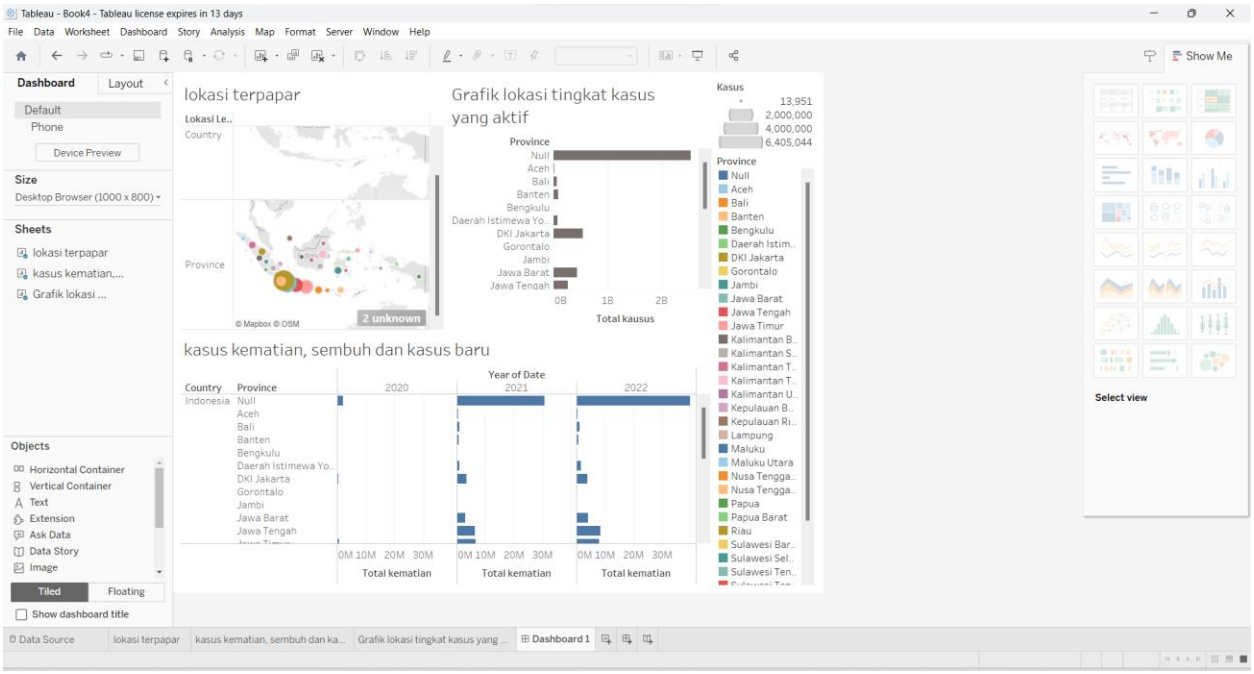
setalah itu kita bisa membuat visualisasi datanya, disini saya mevisualisasikan lokasi yg terpapar dengan map, dan titik pada gambar adalah titik yang terpapar covid, semaki besar lingkaran berarti semakin tinggi kasus pada titik tersebut



Berikutnya disini saya memvisualisasikan total kasus, kematian, dan sembuh



Dan ini hasil visualisasi dari tingakat kasus yang aktif dari sebuah provinsi, dan pada visualisasi



Dan ini tampilan dasbornya

Berikut percobaan menginstal Wordpress

```
root@agung12:/home/agungagung# lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 22.04.3 LTS
Release:        22.04
Codename:       jammy
root@agung12:/home/agungagung#
root@agung12:/home/agungagung#
root@agung12:/home/agungagung# apt 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).
The following packages were automatically installed and are no longer required:
  libc-dev-bin libc-devtools libc6-dev libcrypt-dev libnsl-dev libssl-dev libtirpc-dev libzstd-dev
  linux-libc-dev manpages-dev rpcsvc-proto zlib1g-dev
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 31 not upgraded.
root@agung12:/home/agungagung# apt install -y php php-{common,mysql,xml,xmlrpc,curl,gd,imagick,cli,d
ev,imap,mbstring,opcahce,soap,zip,intl}_
```

```
Selecting previously unselected package libmagickwand-6.q16-6:amd64.
Preparing to unpack .../016-libmagickwand-6.q16-6_8%3a6.9.11.60+dfsg-1.3ubuntu0.22.04.3_amd64.deb
.
Unpacking libmagickwand-6.q16-6:amd64 (8:6.9.11.60+dfsg-1.3ubuntu0.22.04.3) ...
Selecting previously unselected package php8.1-imagick.
Preparing to unpack .../017-php8.1-imagick_3.6.0-4ubuntu1_amd64.deb ...
Unpacking php8.1-imagick (3.6.0-4ubuntu1) ...
Selecting previously unselected package php-imagick.
Preparing to unpack .../018-php-imagick_3.6.0-4ubuntu1_amd64.deb ...
Unpacking php-imagick (3.6.0-4ubuntu1) ...
Selecting previously unselected package poppler-data.
Preparing to unpack .../019-poppler-data_0.4.11-1_all.deb ...
Unpacking poppler-data (0.4.11-1) ...
Selecting previously unselected package m4.
Preparing to unpack .../020-m4_1.4.18-5ubuntu2_amd64.deb ...
Unpacking m4 (1.4.18-5ubuntu2) ...
Selecting previously unselected package autoconf.
Preparing to unpack .../021-autoconf_2.71-2_all.deb ...
Unpacking autoconf (2.71-2) ...
Selecting previously unselected package autotools-dev.
Preparing to unpack .../022-autotools-dev_20220109.1_all.deb ...
Unpacking autotools-dev (20220109.1) ...
Selecting previously unselected package automake.
Preparing to unpack .../023-automake_1%3a1.16.5-1.3_all.deb ...
Unpacking automake (1:1.16.5-1.3) ...
Selecting previously unselected package autopoint.
Preparing to unpack .../024-autopoint_0.21-4ubuntu4_all.deb ...
Unpacking autopoint (0.21-4ubuntu4) ...
Selecting previously unselected package gcc-11-base:amd64.
Preparing to unpack .../025-gcc-11-base_11.4.0-1ubuntu1~22.04_amd64.deb ...
Unpacking gcc-11-base:amd64 (11.4.0-1ubuntu1~22.04) ...
Selecting previously unselected package libisl23:amd64.
Preparing to unpack .../026-libisl23_0.24-2build1_amd64.deb ...
Unpacking libisl23:amd64 (0.24-2build1) ...
Selecting previously unselected package libmpc3:amd64.

Progress: [ 13%] [###########.....................................................................]
root@agung12:/home/agungagung#
root@agung12:/home/agungagung# php -v
PHP 8.1.2-1ubuntu2.14 (cli) (built: Aug 18 2023 11:41:11) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.1.2, Copyright (c) Zend Technologies
    with Zend OPcache v8.1.2-1ubuntu2.14, Copyright (c), by Zend Technologies
root@agung12:/home/agungagung# apt install mariadb-server mariadb-client_
```

```
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@agung12:/home/agungagung#
root@agung12:/home/agungagung#
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root@agung12:/home/agungagung#
root@agung12:/home/agungagung# php -v
PHP 8.1.2-1ubuntu2.14 (cli) (built: Aug 18 2023 11:41:11) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.1.2, Copyright (c) Zend Technologies
    with Zend OPcache v8.1.2-1ubuntu2.14, Copyright (c), by Zend Technologies
root@agung12:/home/agungagung# apt install mariadb-server mariadb-client
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libevent-pthreads-2.1-7 libmecab2 libprotobuf-lite23 libzstd-dev mecab-ipadic mecab-ipadic-utf8
  mecab-utils zlib1g-dev
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  galera-4 libconfig-inifiles-perl libdaxctl1 libdbd-mysql-perl libdbi-perl libmariadb3
  libmysqlclient21 libndctl6 libpmem1 libsnappy1v5 liburing2 mariadb-client-10.6
  mariadb-client-core-10.6 mariadb-common mariadb-server-10.6 mariadb-server-core-10.6 socat
Suggested packages:
  libmldbm-perl libnet-daemon-perl libsql-statement-perl mailx mariadb-test
The following packages will be REMOVED:
  mysql-client-8.0 mysql-client-core-8.0 mysql-server mysql-server-8.0 mysql-server-core-8.0
The following NEW packages will be installed:
  galera-4 libconfig-inifiles-perl libdaxctl1 libdbd-mysql-perl libdbi-perl libmariadb3
  libmysqlclient21 libndctl6 libpmem1 libsnappy1v5 liburing2 mariadb-client mariadb-client-10.6
  mariadb-client-core-10.6 mariadb-common mariadb-server mariadb-server-10.6
  mariadb-server-core-10.6 socat
0 upgraded, 19 newly installed, 5 to remove and 31 not upgraded.
Need to get 17.9 MB of archives.
After this operation, 22.1 MB disk space will be freed.
Do you want to continue? [Y/n] y
```

```
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@agung12:/home/agungagung#
root@agung12:/home/agungagung# systemctl status mariadb
● mariadb.service - MariaDB 10.6.12 database server
     Loaded: loaded (/lib/systemd/system/mariadb.service; enabled; vendor preset: enabled)
     Active: active (running) since Sat 2023-10-28 05:17:00 UTC; 27s ago
       Docs: man:mariadbd(8)
             https://mariadb.com/kb/en/library/systemd/
    Process: 4331 ExecStartPre=/usr/bin/install -m 755 -o mysql -g root -d /var/run/mysqld (code=ex>
    Process: 4333 ExecStartPre=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (code=e>
    Process: 4335 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera_recovery ] && VAR= ||   VAR=`cd /u>
    Process: 4376 ExecStartPost=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (code=>
    Process: 4378 ExecStartPost=/etc/mysql/debian-start (code=exited, status=0/SUCCESS)
   Main PID: 4364 (mariadbd)
     Status: "Taking your SQL requests now..."
      Tasks: 13 (limit: 2178)
     Memory: 61.3M
        CPU: 3.640s
     CGroup: /system.slice/mariadb.service
             └─4364 /usr/sbin/mariadbd

Oct 28 05:16:59 agung12 mariadbd[4364]: 2023-10-28  5:16:59 0 [Note] /usr/sbin/mariadbd: ready for >
Oct 28 05:16:59 agung12 mariadbd[4364]: Version: '10.6.12-MariaDB-0ubuntu0.22.04.1'  socket: '/run/>
Oct 28 05:17:00 agung12 systemd[1]: Started MariaDB 10.6.12 database server.
Oct 28 05:17:00 agung12 /etc/mysql/debian-start[4383]: Looking for 'mariadb' as: /usr/bin/mariadb
Oct 28 05:17:00 agung12 /etc/mysql/debian-start[4383]: Looking for 'mariadb-check' as: /usr/bin/mar>
Oct 28 05:17:00 agung12 /etc/mysql/debian-start[4383]: This installation of MariaDB is already upgr>
Oct 28 05:17:00 agung12 /etc/mysql/debian-start[4383]: There is no need to run mysql_upgrade again >
Oct 28 05:17:00 agung12 /etc/mysql/debian-start[4383]: You can use --force if you still want to run>
Oct 28 05:17:00 agung12 /etc/mysql/debian-start[4393]: Checking for insecure root accounts.
Oct 28 05:17:00 agung12 /etc/mysql/debian-start[4397]: Triggering myisam-recover for all MyISAM tab>
lines 1-28/28 (END)
```

```
to log into MariaDB 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? [Y/n] 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? [Y/n] y
 ... Success!

By default, MariaDB 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? [Y/n] 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? [Y/n] y
 ... Success!

Cleaning up...

All done!  If you've completed all of the above steps, your MariaDB
installation should now be secure.

Thanks for using MariaDB!
root@agung12:/home/agungagung#
```

```
root@agung12:/home/agungagung# mysql
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 41
Server version: 10.6.12-MariaDB-0ubuntu0.22.04.1 Ubuntu 22.04

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> CREATE USER 'word_user'@'agung12' IDENTIFIED BY '12345';
Query OK, 0 rows affected (0.003 sec)

MariaDB [(none)]>
MariaDB [(none)]>
MariaDB [(none)]>
MariaDB [(none)]> create database word_db;
Query OK, 1 row affected (0.002 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON word_db.* TO 'word_user'@'agung12';
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> \q
Bye
root@agung12:/home/agungagung#
```

```
root@agung12:/home/agungagung# apt install wget unzip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
wget is already the newest version (1.21.2-2ubuntu1).
wget set to manually installed.
The following packages were automatically installed and are no longer required:
  libevent-pthreads-2.1-7 libmecab2 libprotobuf-lite23 libzstd-dev mecab-ipadic mecab-ipadic-utf8
  mecab-utils zlib1g-dev
Use 'sudo apt autoremove' to remove them.
Suggested packages:
  zip
The following NEW packages will be installed:
  unzip
0 upgraded, 1 newly installed, 0 to remove and 31 not upgraded.
Need to get 174 kB of archives.
After this operation, 385 kB of additional disk space will be used.
Do you want to continue? [Y/n] y_
```

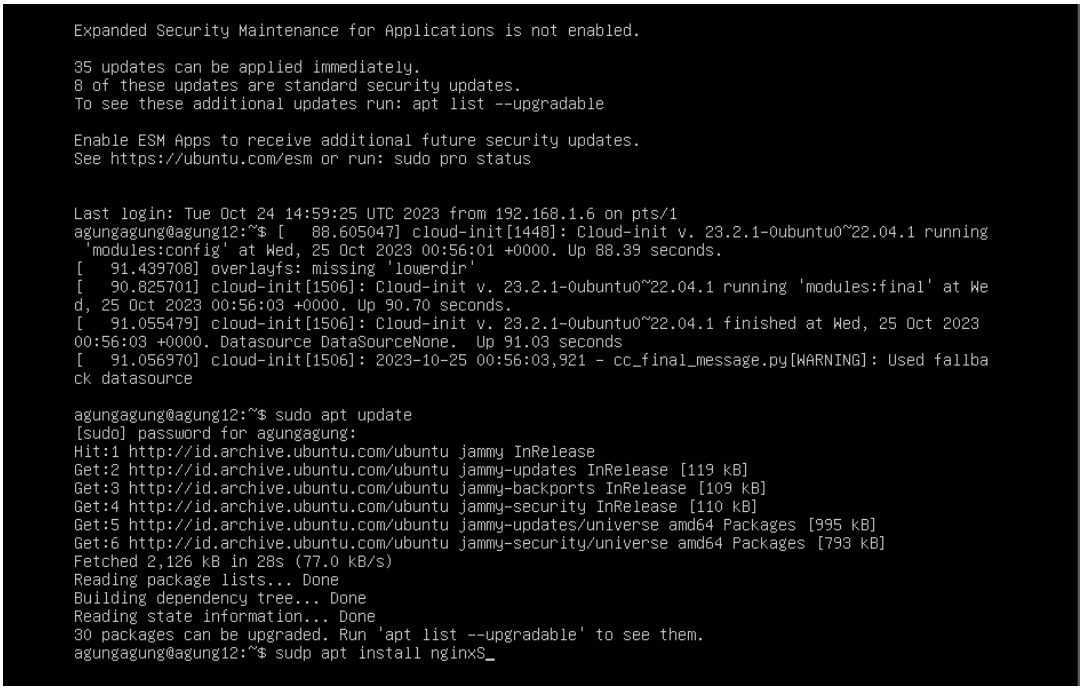
```
root@agung12:/home/agungagung# wget https://wordpress.org/latest.zip
--2023-10-28 05:34:18--  https://wordpress.org/latest.zip
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 24962936 (24M) [application/zip]
Saving to: ‘latest.zip’

latest.zip              100%[===================================>]  23.81M   910KB/s    in 36s

2023-10-28 05:35:11 (673 KB/s) - ‘latest.zip’ saved [24962936/24962936]

root@agung12:/home/agungagung# _
```

```
  inflating: wordpress/wp-admin/js/word-count.js
  inflating: wordpress/wp-admin/js/accordion.min.js
  inflating: wordpress/wp-admin/js/inline-edit-post.min.js
  inflating: wordpress/wp-admin/js/customize-widgets.min.js
  inflating: wordpress/wp-admin/js/inline-edit-post.js
  inflating: wordpress/wp-admin/js/updates.js
  inflating: wordpress/wp-admin/js/media-upload.js
  inflating: wordpress/wp-admin/js/media.js
  inflating: wordpress/wp-admin/js/editor-expand.min.js
  inflating: wordpress/wp-admin/js/media-gallery.min.js
  inflating: wordpress/wp-admin/js/common.min.js
  inflating: wordpress/wp-admin/js/tags-box.min.js
  inflating: wordpress/wp-admin/js/svg-painter.min.js
  inflating: wordpress/wp-admin/js/custom-background.js
  inflating: wordpress/wp-admin/js/color-picker.min.js
  inflating: wordpress/wp-admin/js/auth-app.js
  inflating: wordpress/wp-admin/js/code-editor.js
  inflating: wordpress/wp-admin/js/common.js
  inflating: wordpress/wp-admin/js/set-post-thumbnail.min.js
  inflating: wordpress/wp-admin/js/postbox.min.js
  inflating: wordpress/wp-admin/js/color-picker.js
  inflating: wordpress/wp-admin/js/password-strength-meter.js
  inflating: wordpress/wp-admin/js/customize-nav-menus.js
  inflating: wordpress/wp-admin/js/editor-expand.js
  inflating: wordpress/wp-admin/js/code-editor.min.js
  inflating: wordpress/wp-admin/js/set-post-thumbnail.js
  inflating: wordpress/wp-admin/options-permalink.php
  inflating: wordpress/wp-admin/widgets.php
  inflating: wordpress/wp-admin/setup-config.php
  inflating: wordpress/wp-admin/install.php
  inflating: wordpress/wp-admin/admin-header.php
  inflating: wordpress/wp-admin/post-new.php
  inflating: wordpress/wp-admin/themes.php
  inflating: wordpress/wp-admin/options-reading.php
  inflating: wordpress/wp-trackback.php
  inflating: wordpress/wp-comments-post.php
root@agung12:/home/agungagung# _
```

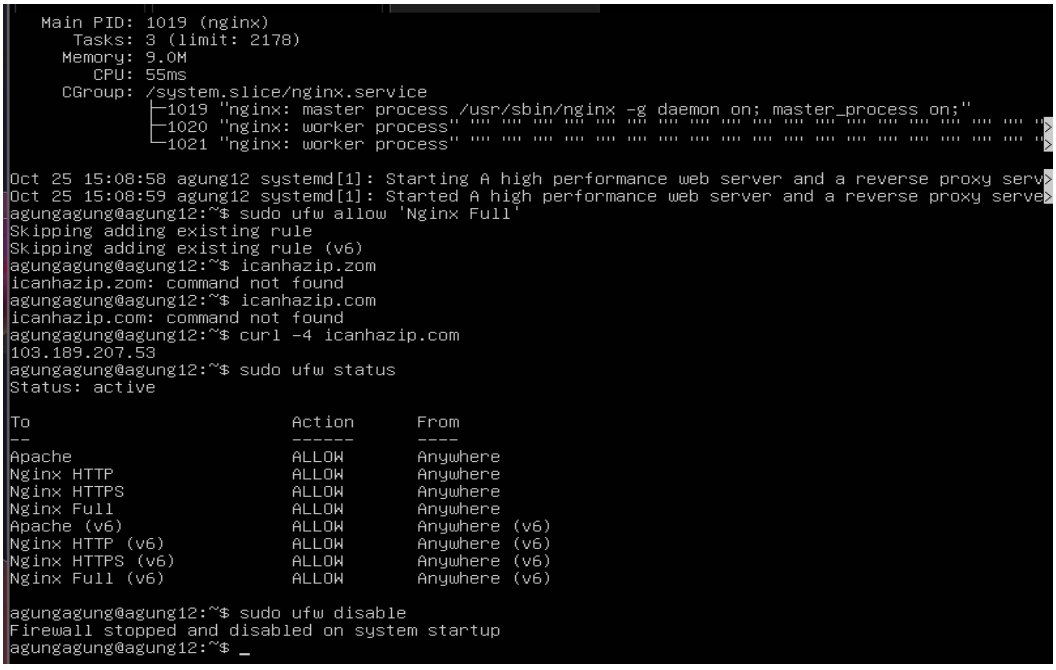
```
<VirtualHost *:80>

ServerAdimin admin@agung12.com

DocumentRoot /var/ww/html/wordpress
ServerName agung12.com
ServerAlias www.agung12.com

<Directory /var/www/html/wordpress/>

Options FollowSymLinks
AllowOverride All
Require all granted

</Directory>

Errorlog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

</VirtualHost>
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
-- INSERT --                                                    20,15         All
```

```
root@agung12:/home/agungagung# a2ensite wordpress.conf
Enabling site wordpress.
To activate the new configuration, you need to run:
  systemctl reload apache2
```

Instal enginex



Karena Nginx tersedia di repositori asali Ubuntu, maka kita dimungkinkan untuk menginstalnya dari repositori ini menggunakan sistem pengemasan `apt`.



Selanjutnya kita dapat mengaktifkan nginx http, dan meverivikasi perubahan, seperti di atas

```
agungagung@agung12:~$ 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 15:08:59 UTC; 2min 8s ago
       Docs: man:nginx(8)
   Main PID: 1019 (nginx)
      Tasks: 3 (limit: 2178)
     Memory: 9.0M
        CPU: 55ms
     CGroup: /system.slice/nginx.service
             ├─1019 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             ├─1020 "nginx: worker process" "" "" "
```