LAPORAN PEMROSESAN PARALEL

(Step by Step Mengunduh NginX, Wordpress dan Tableau)



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- laporan step by step mendownload Wordpress / Ngin X/Tableau A. NginX
- 1. Menginstall Nginx dengan perintah sudo apt update dan sudo apt install nginx

```
nabillanginx@nabillanginx:~$ sudo apt update
[sudo] password for nabillanginx:
Hit:1 http://id.archive.ubuntu.com/ubuntu bionic InRelease
Hit:2 http://id.archive.ubuntu.com/ubuntu bionic-updates InRelease
Hit:3 http://id.archive.ubuntu.com/ubuntu bionic-backports InRelease
Hit:4 http://id.archive.ubuntu.com/ubuntu bionic-security InRelease
Reading package lists... Dones
Building dependency tree
Reading state information... Done
42 packages can be upgraded. Run 'apt list --upgradable' to see them.
inxillanginx@nabillanginx:~$ sudo install ng
install: missing destination file operand after 'nginx'
Try 'install --help' for more information.
nabillanginx@nabillanginx:~$ sudo apt isntall nginx
E: Invalid operation isntall
nabillanginx@nabillanginx:~$ sudo apt install nginx__
```

2. Menyesuikan firewall untuk memungkinkan akses ke layanan, menggunakan perintah sudo ufw app list.

```
nabillanginx@nabillanginx:~$ sudo ufw app list
Available applications:
   Nginx Full
   Nginx HTTP
   Nginx HTTPS
   OpenSSH
   nabillanginx@nabillanginx:~$ sudo ufw allow 'Nginx HTTP'
Skipping adding existing rule
Skipping adding existing rule (v6)
nabillanginx@nabillanginx:~$ _
```

3. Mengecek status dan outputnya akan menunjukkan lalu lintas HTTP mana yang diperbolehkan.

```
nabilla@nabillanginx:~$ sudo ufw status
[sudo] password for nabilla:
Status: active
Τo
                              Action
                                           From
                              ALL OW
Nginx HTTP
                                           Anywhere
OpenSSH
                              ALLOW
                                           Anywhere
Nginx HTTP (v6)
                              ALLOW
                                            Anywhere (v6)
OpenSSH (v6)
                              ALLOW
                                           Anywhere (v6)
nabilla@nabillanginx:~$ _
```

4. Memeriksa server web dengan perintah systemctl status nginx

5. Periksa alamat IP

```
nabilla@nabillanginx:~$ hostname −I
10.1.41.47
nabilla@nabillanginx:~$ _
```

6. Periksa Alamat IP pada chrome

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to <u>nginx.org</u>. Commercial support is available at <u>nginx.com</u>.

Thank you for using nginx.

```
nabillanginx@nabillanginx:~$ sudo systemctl stop nginx
nabillanginx@nabillanginx:~$ sudo systemctl start nginx
nabillanginx@nabillanginx:~$ sudo systemctl restart nginx
nabillanginx@nabillanginx:~$ sudo systemctl reload nginx
nabillanginx@nabillanginx:~$ sudo systemctl disable nginx
Synchronizing state of nginx.service with SysV service script with /lib/systemd/systemd—sysv—install
.
Executing: /lib/systemd/systemd—sysv—install disable nginx
nabillanginx@nabillanginx:~$ sudo systemctl enable
Too few arguments.
nabillanginx@nabillanginx:~$ sudo systemctl enable nginx
Synchronizing state of nginx.service with SysV service script with /lib/systemd/systemd—sysv—install
.
Executing: /lib/systemd/systemd—sysv—install enable nginx
nabillanginx@nabillanginx:~$ _

Executing: /lib/systemd/systemd—sysv—install enable nginx
nabillanginx@nabillanginx:~$ _
```

```
nabillanginx@nabillanginx:~$ mkdir –p /var/www/nabilla.com/html
nabillanginx@nabillanginx:~$ sudo chown –R $nabillanginx:@nabillanginx /var/www/nabilla.com/html
[sudo] password for nabillanginx:
chown: invalid group: ':@nabillanginx'
nabillanginx@nabillanginx:~$ sudo chown –R $nabilla:$nabilla /var/www/nabilla.com/html
nabillanginx@nabillanginx:~$ sudo chowd –R 755 /var/www/nabilla.com
nabillanginx@nabillanginx:~$ nano /var/www/nabilla.com/html_
```

```
GNU nano 2.9.3
                                              /etc/nginx/nginx.conf
user www−data;
worker_processes auto;
pid /run/nginx.pid;
include /etc/nginx/modules-enabled/*.conf;
events {
        worker_connections 768;
        # multi_accept on;
http {
        # Basic Settings
        ##
        sendfile on;
        tcp_nopush on;
        tcp_nodelay on;
keepalive_timeout 65;
types_hash_max_size 2048;
        server_names_hash_bucket_size 64;
        # server_name_in_redirect off;
         include /etc/nginx/mime.types;
        default_type application/octet-stream;
        # SSL Settings
        ##
                                             [ Read 85 lines ]
```

```
nabilla@nabillanginx:~$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
nabilla@nabillanginx:~$ sudo systemctl restart nginx
nabilla@nabillanginx:~$ _
```

Success! The nabilla.com server block is working!

B. Wordpress

1. Sebelum mulai, perbarui dan tingkatkan sistem. Masuk sebagai akun root ke sistem anda.

```
root@nabillawordpress:/home/nabillawordpress# apt update && apt upgrade
Hit:1 http://id.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://id.archive.ubuntu.com/ubuntu bionic-backports InRelease [88.7 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu bionic-backports InRelease [83.3 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Reading package lists... Done
E: Release file for http://id.archive.ubuntu.com/ubuntu/dists/bionic-updates/InRelease is not valid
yet (invalid for another 15h 20min 12s). Updates for this repository will not be applied.
E: Release file for http://id.archive.ubuntu.com/ubuntu/dists/bionic-backports/InRelease is not valid
d yet (invalid for another 15h 22min 45s). Updates for this repository will not be applied.
E: Release file for http://id.archive.ubuntu.com/ubuntu/dists/bionic-security/InRelease is not valid
yet (invalid for another 15h 17min 57s). Updates for this repository will not be applied.
root@nabillawordpress:/home/nabillawordpress#
```

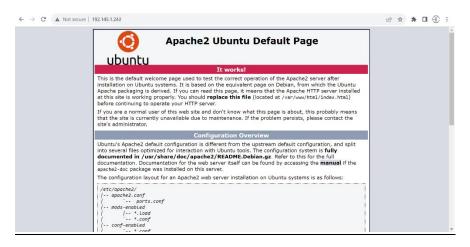
2. Menginstall apache2 dengan perintah apt install apache2.

```
root@nabillawordpress:/home/nabillawordpress# apt install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
apache2 is already the newest version (2.4.29–1ubuntu4.27).
O upgraded, O newly installed, O to remove and O not upgraded.
root@nabillawordpress:/home/nabillawordpress# _
```

3. Untuk mengkonfirmasi bahwa apache sudah terinstall pada sistem, jalankan perintah systemctl status apache2.

4. Untuk memverivikasi, buka alamat IP server pada chrome.

```
root@nabillawordpress:/home/nabillawordpress# hostname –I
192.145.1.243
root@nabillawordpress:/home/nabillawordpress# _
```



5. Menginstal mesin database MariaDB untuk menyimpan file wordpress dengan perintah apt install mariadb-server mariadb-client

```
root@nabillawordpress:/home/nabillawordpress# apt install mariadb—server mariadb—client
Reading package lists... Done
Building dependency tree
Reading state information... Done
mariadb—client is already the newest version (1:10.1.48—OubuntuO.18.04.1).
mariadb—server is already the newest version (1:10.1.48—OubuntuO.18.04.1).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@nabillawordpress:/home/nabillawordpress# _
```

6. Amankan mesin basis data MariaDB dan melarang login root jarak jauh. Pertama mengubah kata sandi root untuk login ke database.

Menghapus pengguna anonim dan ketik Y.

```
By default, a MariaDB installation has an anonymous user, allowing anyone
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
```

Mengonfigurasi server virtual.

```
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_
```

Hapus database pengjian.

```
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
```

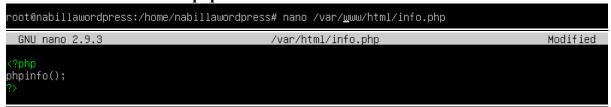
Muat ulang datbase untuk melakukan perubahan.

```
Reloading the privilege tables will ensure that all changes made so far
will take effect immediately.
Reload privilege tables now? [Y/n] y_
```

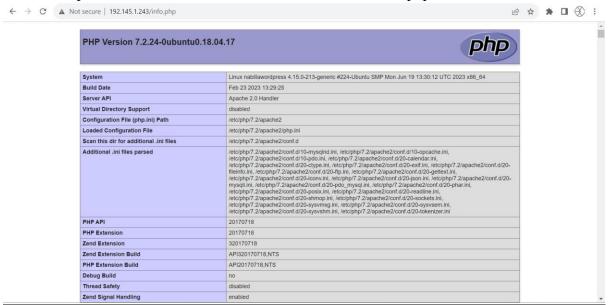
7. Menginstall PHP dengan perintah apt install php php-mysql

```
root@nabillawordpress:/home/nabillawordpress# apt install php php—mysql
Reading package lists... Done
Building dependency tree
Reading state information... Done
php is already the newest version (1:7.2+60ubuntu1).
php—mysql is already the newest version (1:7.2+60ubuntu1).
O upgraded, O newly installed, O to remove and O not upgraded.
root@nabillawordpress:/home/nabillawordpress#
```

8. Untuk mengonfirmasi bahwa PHP tela ter instal, ketik perintah **nano** /var/www/html/info.php



9. Simpan dan keluar. Buka browser dan tambahkan /info.php ke URL server



10. Membuat basis data wordpress dengan perintah mysql -u root -p.

```
root@nabillawordpress:/home/nabillawordpress# mysql —u root —p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 38
Server version: 10.1.48—MariaDB—OubuntuO.18.04.1 Ubuntu 18.04
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)]> _
```

- 11. Buat database untuk instalasi wordpress dengan perintah CREATE DATABASE wordpress db;
- 12. Buat pengguna database untuk setup wordpress dengan perintah CREATE USER 'wp user'@'localhost' IDENFIED BY 'password';
- 13. Berikan izin kepada pengguna untuk mengakses database dengan perintah GRANT ALL ON wordpress db.* TO 'wp user'@'localhost' IDENTIFIED BY 'password';
- 14. Selesai dan dapat keluar dari database.

```
MariaDB [(none)]> CREATE DATABASE wordpress_db;
Query OK, 1 row affected (0.00 sec)
MariaDB [(none)]> CREATE USER 'wp_user'@'localhost' IDENTIFIED BY 'password';
Query OK, O rows affected (0.00 sec)
MariaDB [(none)]> GRANT ALL ON wordpress_db.* TO 'wp_user'@'localhost' IDENTIFIED BY 'password';
Query OK, O rows affected (0.00 sec)
MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, O rows affected (0.00 sec)
MariaDB [(none)]> Exit;
Bye
root@nabillawordpress:/home/nabillawordpress#
```

15. Instal CMS wordpress. Buka direktori sementara dan unduh file wordpress terbaru dengan perintah cd /tmp && wget https://wordpress.org/latest.tar.gz.

```
:/tmp# cd /tmp && wget https://wordpress
--2023–10–28 04:42:03–- 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 1.33MB/s
                                                                                                                                           in 28s
2023–10–28 04:42:34 (826 KB/s) – 'latest.tar.gz' saved [23465047/23465047]
 root@nabillawordpress:/tmp#
```

16. Buka kompresi tarball yang akan menghasilkan folder bernama "wordpress" dengan perintah tar -xvf latest.tar.gz.

oot@nabillawordpress:/tmp# tar –xvf latest.tar.gz

```
proteinabillawordpress:/tmp# ta

proteinabillawordpress:/tmp# ta

proteinabillawordpress:/tmp# ta

proteinabillawordpress:/tmp# ta

proteinabillawordpress:/tmp# ta

proteinabillawordpress:/tmp# ta

proteinabillawordpress/up-admin/js/accordion.min.js

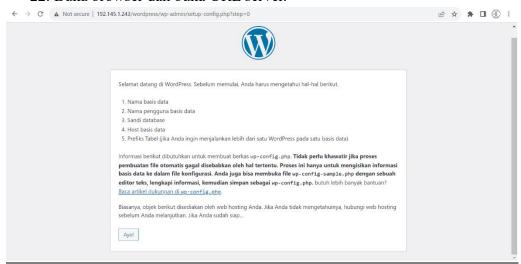
proteinabillawordpress/up-admin/js/miline-edit-post.js

proteinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/up-admin/js/milinabillawordpress/
```

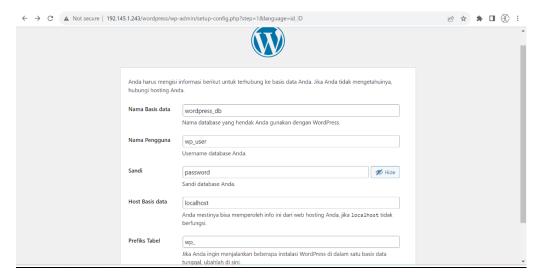
- 17. Salin folder wordpress ke /var/www/html/.
- 18. Jalankan perintah chown -R www-data:www-data/var/www/html/wordpress/.
- 19. Ubah izin file folder wordpress menggunakan perintah **chmod -R 755** /var/www/html/wordpress/.
- 20. Buat direktori 'upload' dengan perintah mkdir /var/www/html/wordpress/wp-content/uploads.
- 21. Ubah izin direktori 'upload' dengan perintah **chown -R www-data:www-data** /var/www/html/wordpress/wp-content/uploads/.

```
root@nabillawordpress:/tmp# cp -R wordpress /var/www/html/
root@nabillawordpress:/tmp# chown -R www-data:-data /var/www/html/wordpress/
chown: invalid group: 'www-data:-data'
root@nabillawordpress:/tmp# chown -R www-data:www-data /var/www/html/wordpress/
root@nabillawordpress:/tmp# chowd -R 755 /var/www/html/wordpress/
root@nabillawordpress:/tmp# mkdir /var/www/html/wordpress/wp-content/uploads
root@nabillawordpress:/tmp# chown -R www-dat:www-data /var/www/html/wordpress/wp-content/uploads/
chown: invalid user: 'www-dat:www-data'
root@nabillawordpress:/tmp# chown -R www-data:www-data /var/www/html/wordpress/wp-content/uploads/
root@nabillawordpress:/tmp# chown -R www-data:www-data /var/www/html/wordpress/wp-content/uploads/
```

22. Buka browser dan buka URL server.



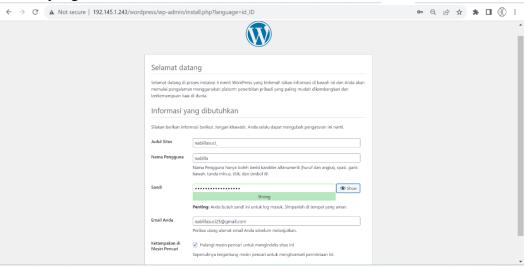
23. Isi formulir seperti yang ditunjukkan.



24. Jalankan instalasi



25. Isi rincian tambahan yang diperlukan seperti judul situs, nama pengguna dan sandi yang kuat.



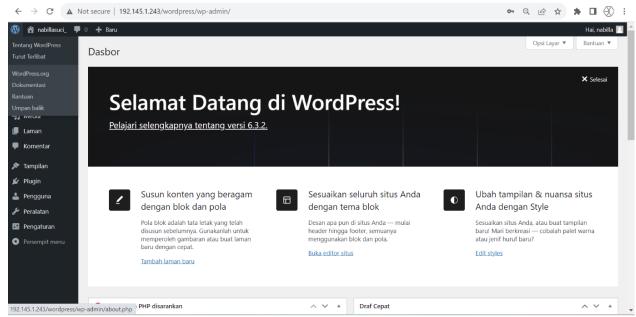
26. Wordpress telah berhasil di instal.



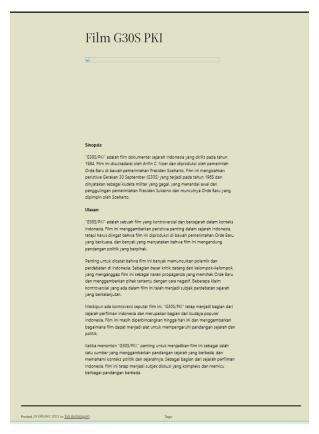
27. Login ke wordpres.



28. Tampilan wordpress, kemudian membuat postingan.

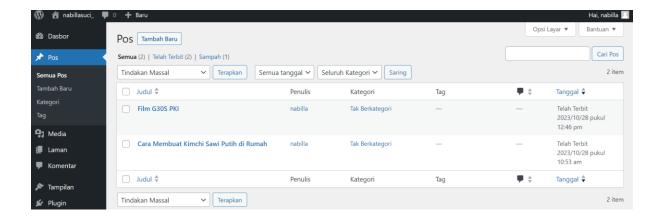


29. Mulailah membuat sebuah postingan. Postingan pertama:



Postingan kedua:





➤ <u>TableAu</u>

1. Buka situs web Tabelau, lalu pilih versi tableau publik.

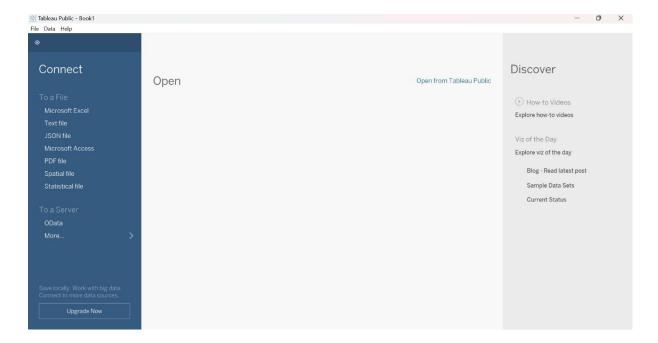


2. Kemudian pilih platform yang akan digunakan.

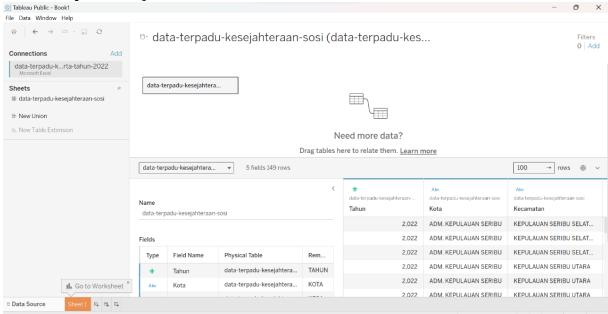


3. Mulai menginstall, aktivasi dan registrasi tableau.

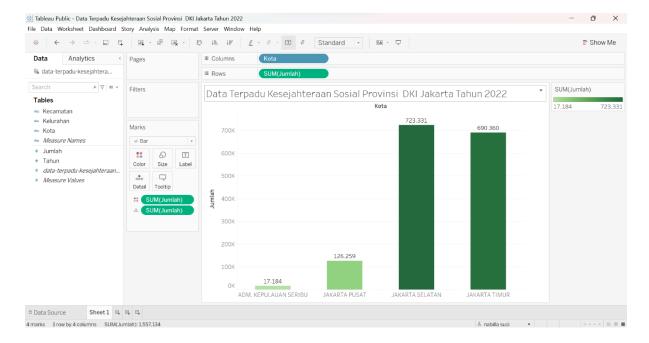




4. Masukkan data. Disni saya mengambil data dari data.jakarta.go.id yang berjudul **Data Terpadu kesejahteraan Sosial Provinsi DKI Jakarta Tahun 2022.**



5. Kolom berisikan kota dan baris berisikan jumlah penerima bantuan. Sedangkan arti warna yang paling terang adalah jumlah yang paling tinggi dan warna yang pudar menandakan jumlah yang sedikit. Untuk melihat tingktan jumlahnya, maka masukkan data jumlah ke dalam label.



6. Hasil dari visualisasi data yang telah di posting di tableau publik.

