

Minggu 2 . Pertemuan 3 . Fikar Mukamal

# Instalasi Anaconda dan Konfigurasi Jupyter Notebook (like AWS SageMaker)

## Launch a Virtual Machine EC2

### 1. Jalankan EC2 instance

The screenshot shows the AWS Management Console with the EC2 Instances page open. The instance details are as follows:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
i-0d02332fa4142f1ed	t2.micro	us-east-1b	running	2/2 checks ...	None	ec2-54-91-124-52.com...	

### 2. Lakukan koneksi remote menggunakan SSH client melalui terminal linux

```
ubuntu@ip-172-31-43-213: ~
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-1087-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

0 packages can be updated.
0 updates are security updates.

New release '18.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Oct  1 15:02:05 2019 from 120.188.80.90
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-43-213:~$ 
```

## Anaconda Installation

3. Unduh anaconda di EC2 instance menggunakan perintah berikut

```
$ curl -O https://repo.continuum.io/archive/Anaconda3-5.0.1-Linux-x86_64.sh
```

```
ubuntu@ip-172-31-43-213:~$ curl -O https://repo.continuum.io/archive/Anaconda3-5.0.1-Linux-x86_64.sh
% Total    % Received % Xferd  Average Speed   Time     Time     Time  Current
          Dload  Upload   Total   Spent   Left  Speed
100  525M  100  525M    0      0  91.9M      0  0:00:05  0:00:05 --:--:-- 90.2M
ubuntu@ip-172-31-43-213:~$
```

4. Install anaconda dengan perintah berikut

```
$ bash Anaconda3-5.0.1-Linux-x86_64.sh
```

```
ubuntu@ip-172-31-43-213:~$ curl -O https://repo.continuum.io/archive/Anaconda3-5.0.1-Linux-x86_64.sh
% Total    % Received % Xferd  Average Speed   Time     Time     Time  Current
          Dload  Upload   Total   Spent   Left  Speed
100  525M  100  525M    0      0  91.9M      0  0:00:05  0:00:05 --:--:-- 90.2M
ubuntu@ip-172-31-43-213:~$ bash Anaconda3-5.0.1-Linux-x86_64.sh
```

5. Tekan enter untuk melanjutkan.

```
Welcome to Anaconda3 5.0.1

In order to continue the installation process, please review the license
agreement.
Please, press ENTER to continue
>>>
```

6. Tekan spasi hingga muncul pertanyaan untuk menyetujui perjanjian

```
=====
Anaconda End User License Agreement
=====

Copyright 2015, Anaconda, Inc.

All rights reserved under the 3-clause BSD License.

Redistribution and use in source and binary forms, with or without modification, are permit
--More--
```

7. Masukkan "yes" untuk menyetujui perjanjian.

```
ubuntu@ip-172-31-43-213: ~
kerberos (krb5, non-Windows platforms)
    A network authentication protocol designed to provide strong authentication for client/
server applications by using secret-key cryptography.

cryptography
    A Python library which exposes cryptographic recipes and primitives.

Do you accept the license terms? [yes|no]
[no] >>> yes
```

8. Tekan enter untuk memulai instalasi pada lokasi yang tertera

```
ubuntu@ip-172-31-43-213: ~
Anaconda3 will now be installed into this location:
/home/ubuntu/anaconda3

- Press ENTER to confirm the location
- Press CTRL-C to abort the installation
- Or specify a different location below

[/home/ubuntu/anaconda3] >>>
```

9. Masukkan yes jika menemui pertanyaan berikut

```
ubuntu@ip-172-31-43-213: ~
installing: jupyter-1.0.0-py36h9896ce5_0 ...
installing: anaconda-5.0.1-py36hd30a520_1 ...
installation finished.
Do you wish the installer to prepend the Anaconda3 install location
to PATH in your /home/ubuntu/.bashrc ? [yes|no]
[no] >>> yes
```

10. Tampilan setelah selesai menginstal anaconda

```
ubuntu@ip-172-31-43-213: ~
Appending source /home/ubuntu/anaconda3/bin/activate to /home/ubuntu/.bashrc
A backup will be made to: /home/ubuntu/.bashrc-anaconda3.bak

For this change to become active, you have to open a new terminal.

Thank you for installing Anaconda3!
ubuntu@ip-172-31-43-213:~$
```

11. Untuk memastikan anaconda telah terinstal, cek versi python

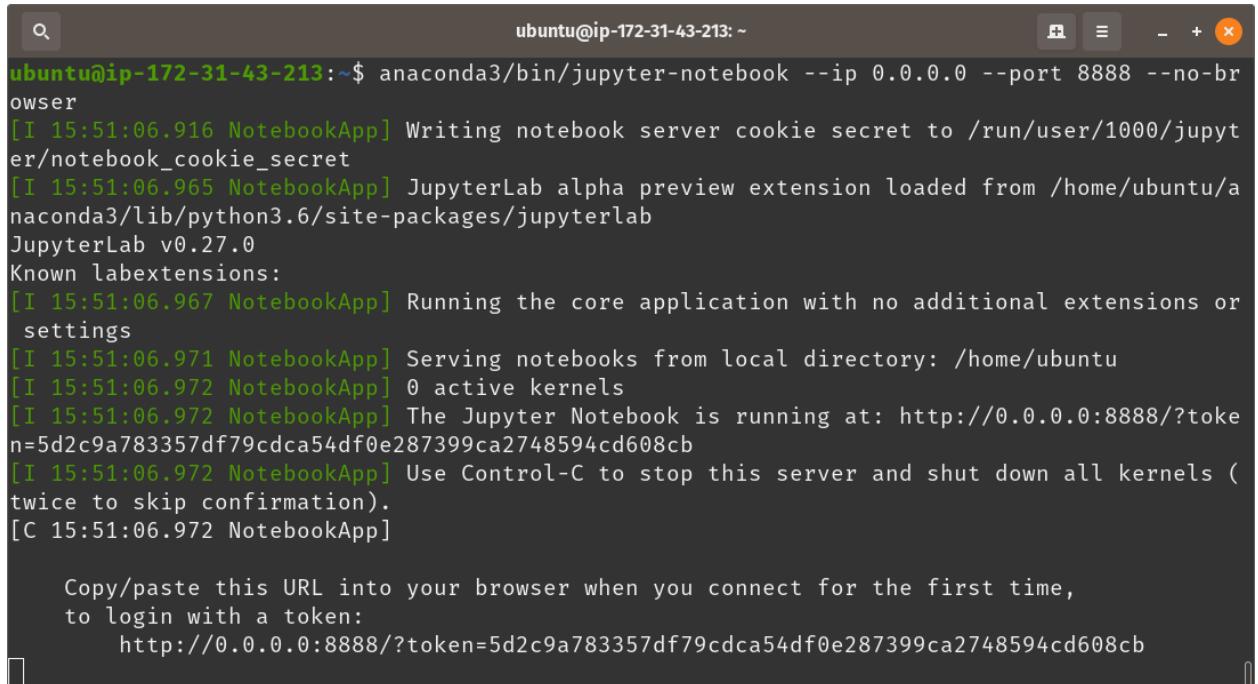
```
$ python3 -V
```

```
ubuntu@ip-172-31-43-213:~$ python3 -V
Python 3.5.2
ubuntu@ip-172-31-43-213:~$
```

## Running Jupyter Notebook

12. Jalankan anaconda dengan perintah berikut

```
$ anaconda3/bin/jupyter-notebook --ip 0.0.0.0 --port 8888 --no-browser
```



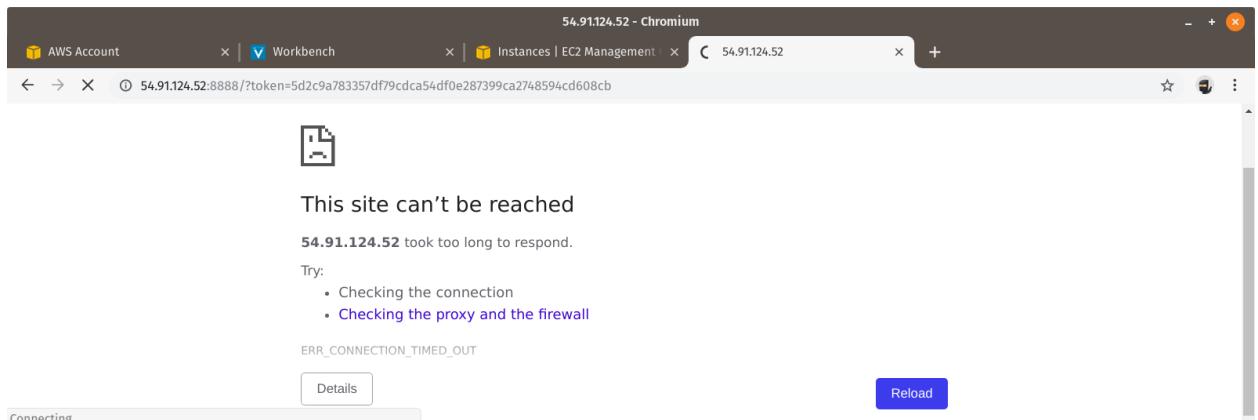
A terminal window titled "ubuntu@ip-172-31-43-213:~". The window displays the output of the command "anaconda3/bin/jupyter-notebook --ip 0.0.0.0 --port 8888 --no-browser". The logs show the notebook server writing a cookie secret, loading the JupyterLab alpha preview extension, and starting at port 8888. It also provides a token URL for the first connection.

```
ubuntu@ip-172-31-43-213:~$ anaconda3/bin/jupyter-notebook --ip 0.0.0.0 --port 8888 --no-browser
[I 15:51:06.916 NotebookApp] Writing notebook server cookie secret to /run/user/1000/jupyter/notebook_cookie_secret
[I 15:51:06.965 NotebookApp] JupyterLab alpha preview extension loaded from /home/ubuntu/anaconda3/lib/python3.6/site-packages/jupyterlab
JupyterLab v0.27.0
Known labextensions:
[I 15:51:06.967 NotebookApp] Running the core application with no additional extensions or settings
[I 15:51:06.971 NotebookApp] Serving notebooks from local directory: /home/ubuntu
[I 15:51:06.972 NotebookApp] 0 active kernels
[I 15:51:06.972 NotebookApp] The Jupyter Notebook is running at: http://0.0.0.0:8888/?token=5d2c9a783357df79cdca54df0e287399ca2748594cd608cb
[I 15:51:06.972 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 15:51:06.972 NotebookApp]

Copy/paste this URL into your browser when you connect for the first time,
to login with a token:
http://0.0.0.0:8888/?token=5d2c9a783357df79cdca54df0e287399ca2748594cd608cb
```

13. Copy link URL yang muncul, kemudian buka di browser dengan mengubah IP address-nya menjadi IPv4 Public IP dari instance. Misal dalam percobaan ini URL berubah menjadi

<http://54.91.124.52:8888/?token=5d2c9a783357df79cdca54df0e287399ca2748594cd608cb>



Karena koneksi jupyter notebook gagal, maka perlu mengubah pengaturan security group dari instance.

14. Pada halaman AWS Console, scroll ke kanan pada tabel hingga menemukan kolom "Security Groups". Klik nama security group tersebut, dalam percobaan ini adalah "dts-security"

DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name	Monitoring	Launch Time	Security Groups	Owner
91-124-52.com...	54.91.124.52	-	dts-key	disabled	October 1, 2019 at 9:33:31 P...	dts-security	930861204388

15. Setelah tampil halaman pengaturan security group, pilih tab "Inbound". Kemudian tekan tombol "Edit"

Name	Group ID	Group Name	VPC ID	Owner	Description
sg-06f18198a0cb0cf0e	dts-security	vpc-be7a13c4	930861204388		digital talent scholarship

16. Tambahkan dua inbound rule baru, yaitu

Type : All Traffic  
Source : Custom 0.0.0.0/0

Type : All Traffic  
Source : Custom ::/0

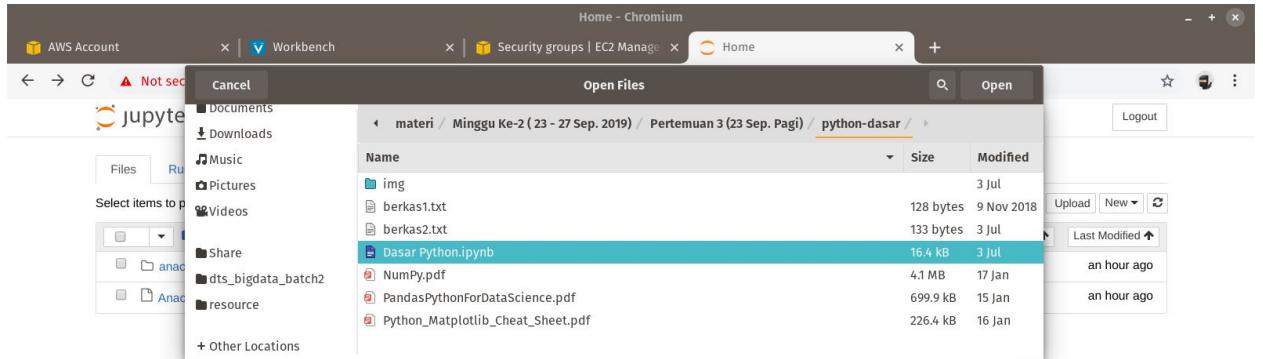
kemudian tekan “Save”

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
SSH	TCP	22	::/0	e.g. SSH for Admin Desktop
HTTPS	TCP	443	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
HTTPS	TCP	443	::/0	e.g. SSH for Admin Desktop
All traffic	All	0 - 65535	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
All traffic	All	0 - 65535	::/0	e.g. SSH for Admin Desktop

17. Reload halaman jupyter notebook.

## Running Python Code

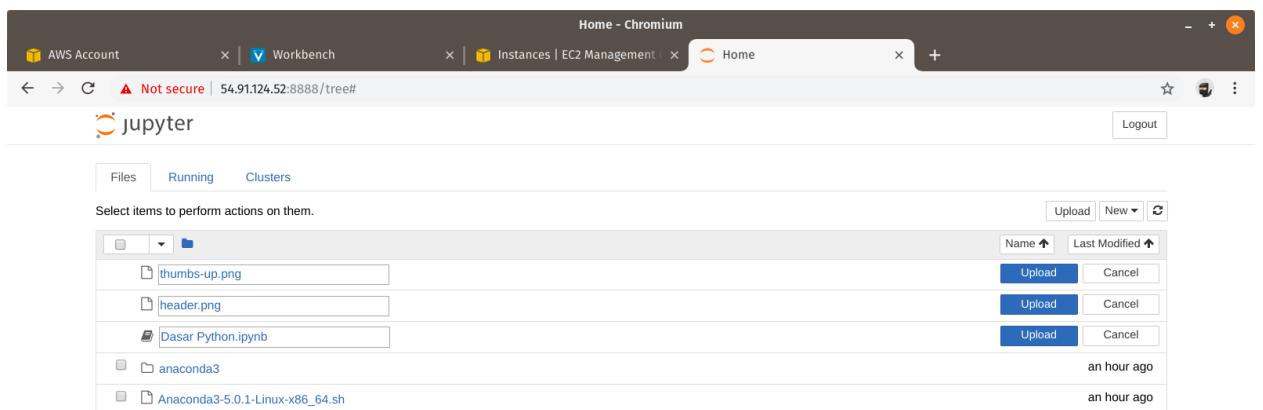
18. Unggah contoh kode program python dengan menekan tombol “Upload”. Pilih file bertipe .ipynb dan tekan tombol “Open”



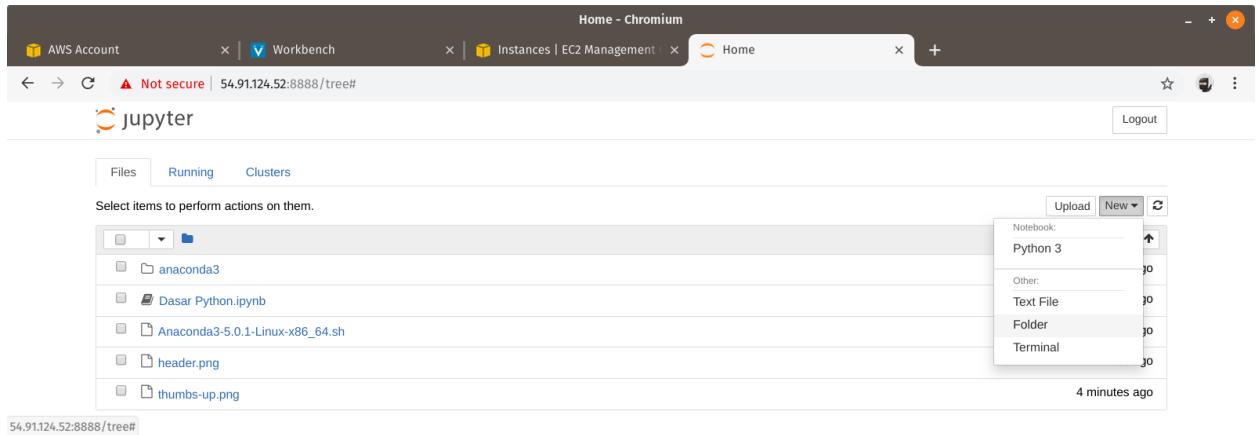
19. Unggah juga file gambar yang diperlukan.



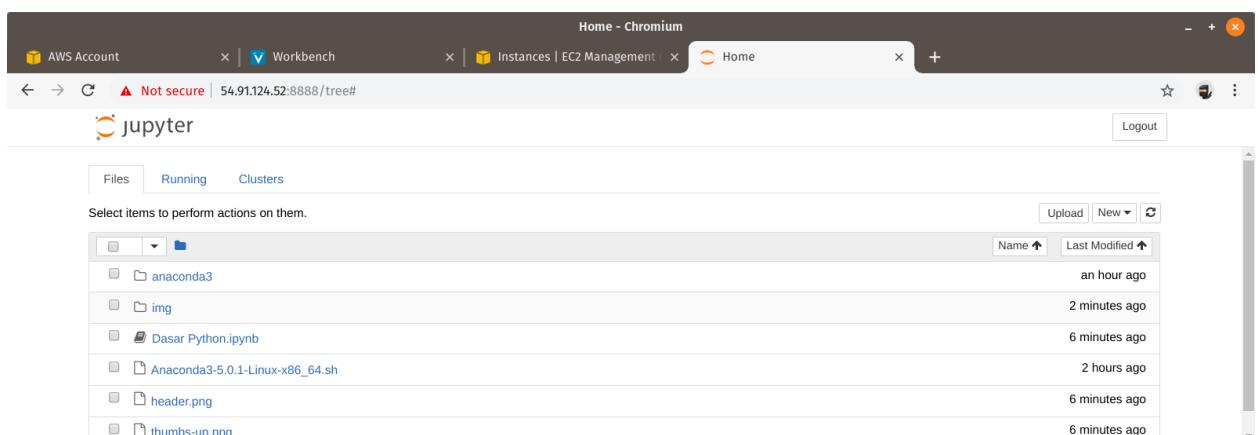
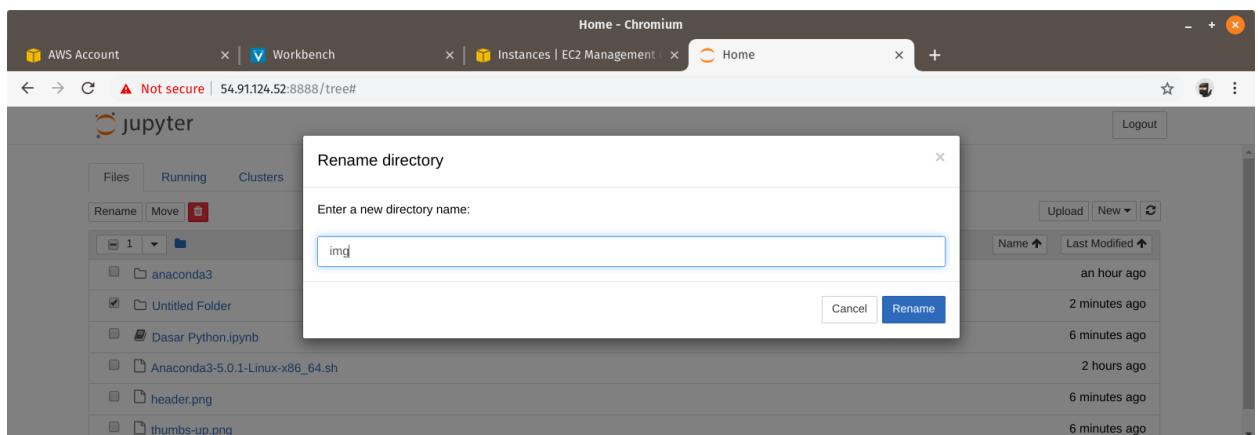
20. Tekan semua tombol “Upload” berwarna biru



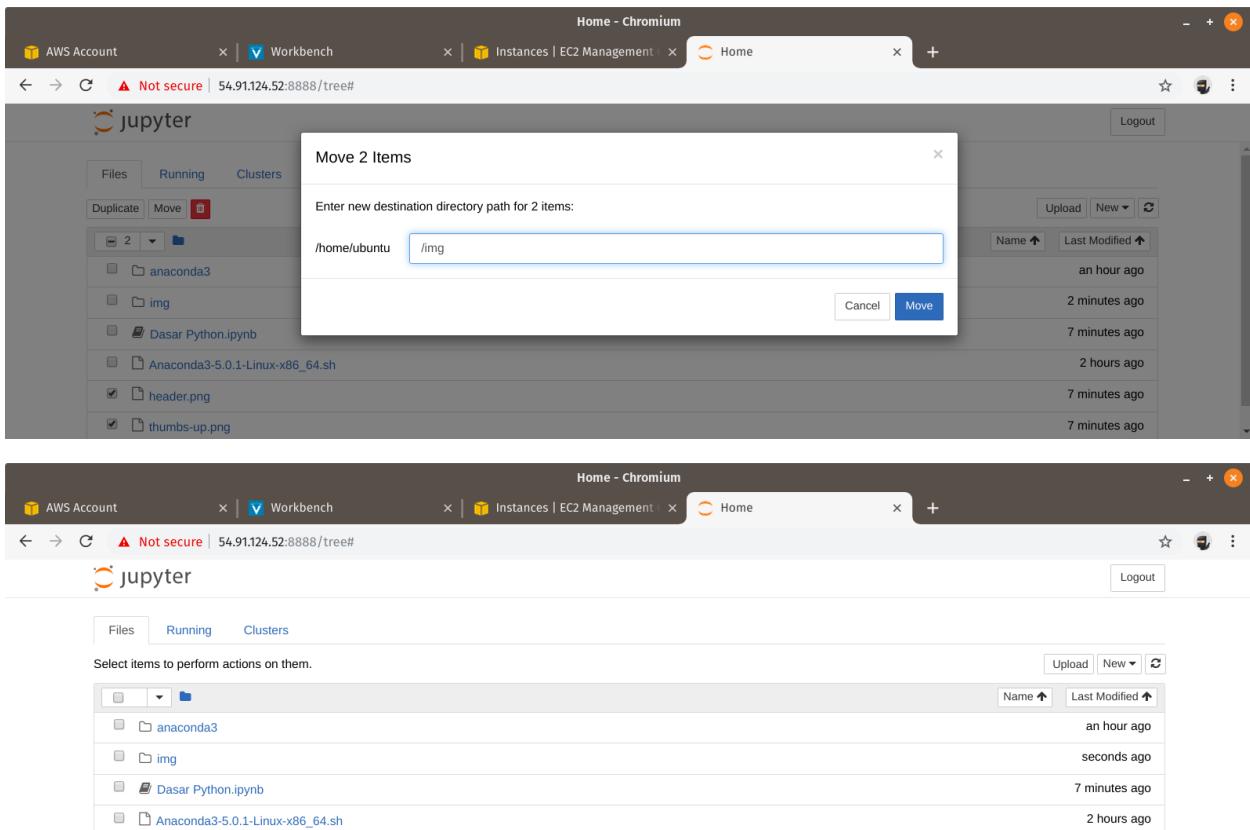
21. Buat folder baru bernama "img" dengan cara menekan tombol "New". Kemudian pilih sub menu "Folder".



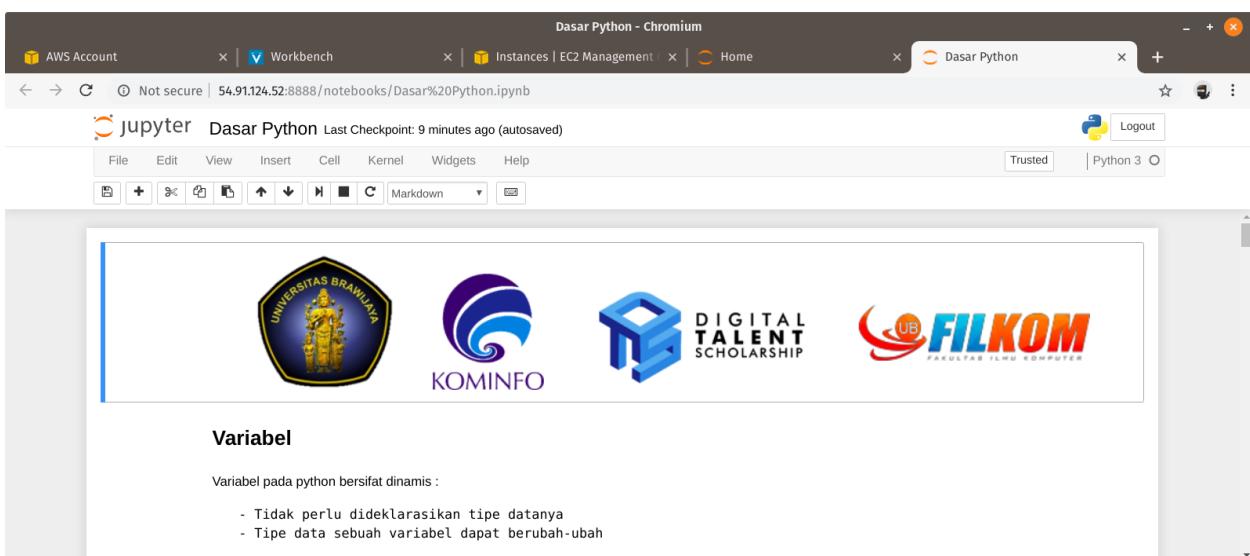
22. Setelah muncul "Untitled Folder", centang folder tersebut, kemudian tekan tombol "Rename", kemudian isikan nama folder "img", dan terakhir tekan tombol "Rename"



23. Pindahkan file gambar ke folder "img" dengan cara centang semua file gambar, kemudian tekan tombol "move". Isikan nama folder "img", lalu tekan "move"



24. Buka contoh kode program python dengan cara klik nama file "Dasar Python.ipynb"



## Installing and Running JupyterLab

25. Shutdown jupyter notebook yang sedang berjalan dari terminal linux dengan menekan kombinasi tombol Ctrl + C. Kemudian ketikkan "y"

```
ubuntu@ip-172-31-43-213: ~
^C[I 17:15:31.786 NotebookApp] interrupted
Serving notebooks from local directory: /home/ubuntu
1 active kernels
The Jupyter Notebook is running at: http://0.0.0.0:8888/?token=35e9ebbe19ba4ec459bb4d5a1b65
f7a7fefab740853ac4ca3b
Shutdown this notebook server (y/[n])? y
[C 17:15:34.506 NotebookApp] Shutdown confirmed
[I 17:15:34.507 NotebookApp] Shutting down kernels
[I 17:15:34.808 NotebookApp] Kernel shutdown: 48a23450-1f22-43ae-a52d-900b7d69dcc5
ubuntu@ip-172-31-43-213: ~$
```

26. Instal jupyter lab dengan perintah berikut.

```
$ pip install jupyterlab
```

Jika muncul tampilan seperti pada gambar, itu tandanya jupyterlab sudah terinstal sebelumnya

```
ubuntu@ip-172-31-43-213:~$ pip install jupyterlab
Requirement already satisfied: jupyterlab in ./anaconda3/lib/python3.6/site-packages
Requirement already satisfied: notebook>=4.3.1 in ./anaconda3/lib/python3.6/site-packages
(from jupyterlab)
Requirement already satisfied: jupyterlab_launcher>=0.4.0 in ./anaconda3/lib/python3.6/site-packages (from jupyterlab)
You are using pip version 9.0.1, however version 19.2.3 is available.
You should consider upgrading via the 'pip install --upgrade pip' command.
ubuntu@ip-172-31-43-213:~$ █
```

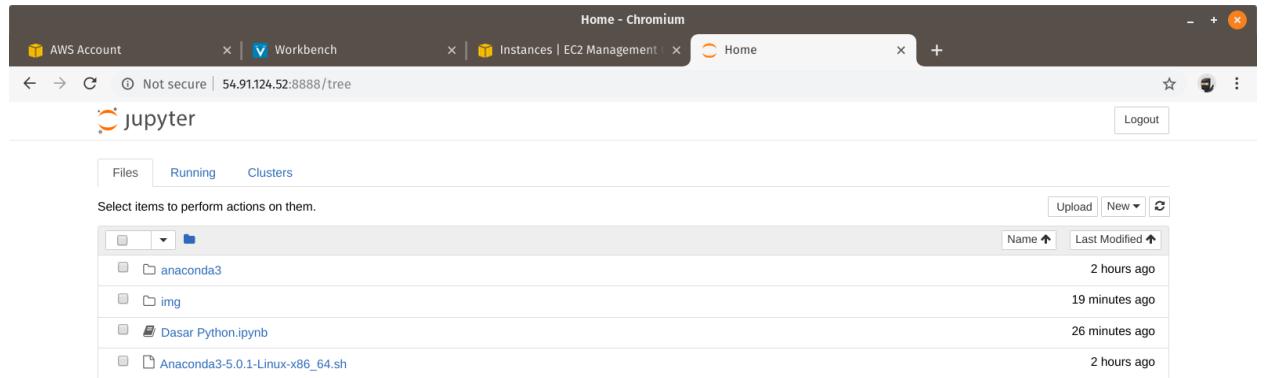
27. Jalankan kembali jupyter notebook dengan perintah

```
$ anaconda3/bin/jupyter-notebook --ip 0.0.0.0 --port 8888 --no-browser
```

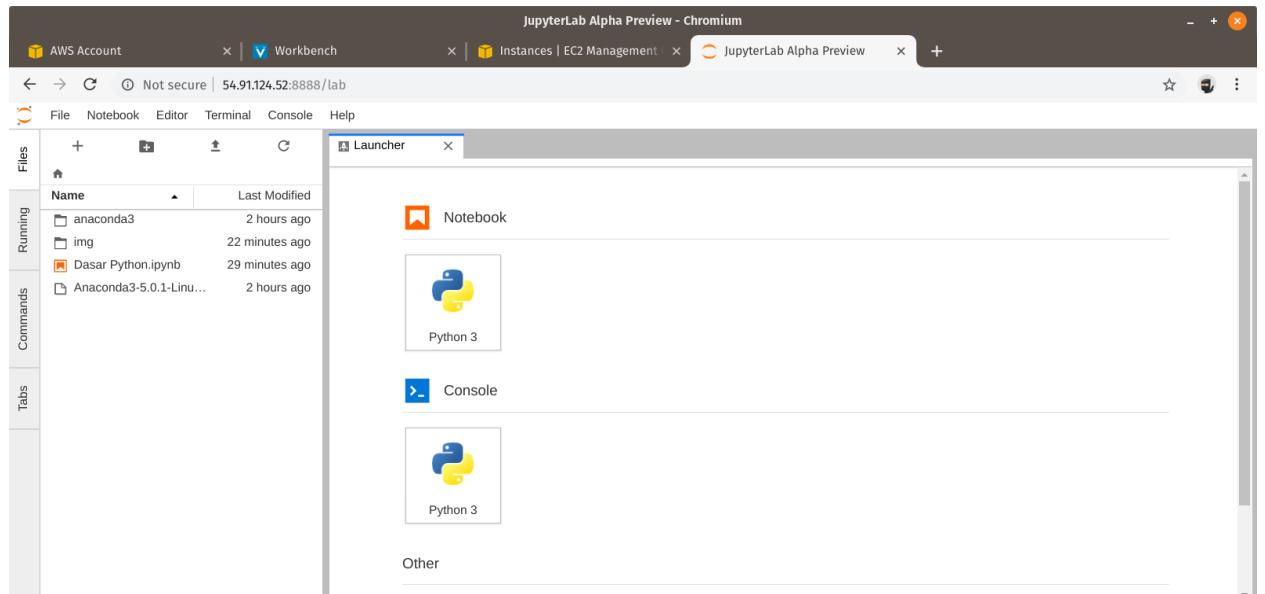
```
[I 17:21:09.507 NotebookApp] Running the core application with no additional extensions or settings
[I 17:21:09.510 NotebookApp] Serving notebooks from local directory: /home/ubuntu
[I 17:21:09.510 NotebookApp] 0 active kernels
[I 17:21:09.510 NotebookApp] The Jupyter Notebook is running at: http://0.0.0.0:8888/?token=9d1af48229ac7df9d74a73713c146fa93eda01b4706fb9a9
[I 17:21:09.510 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 17:21:09.511 NotebookApp]

Copy/paste this URL into your browser when you connect for the first time,
to login with a token:
    http://0.0.0.0:8888/?token=9d1af48229ac7df9d74a73713c146fa93eda01b4706fb9a9
```

28. Copy link yang tertera dan sesuaikan IP addressnya dengan IPv4 public dari instance, lalu buka di browser



29. Ubah akhiran alamat URL dari "/tree" menjadi "/lab". Misal dalam percobaan ini alamat URL berubah menjadi <http://54.91.124.52:8888/lab>

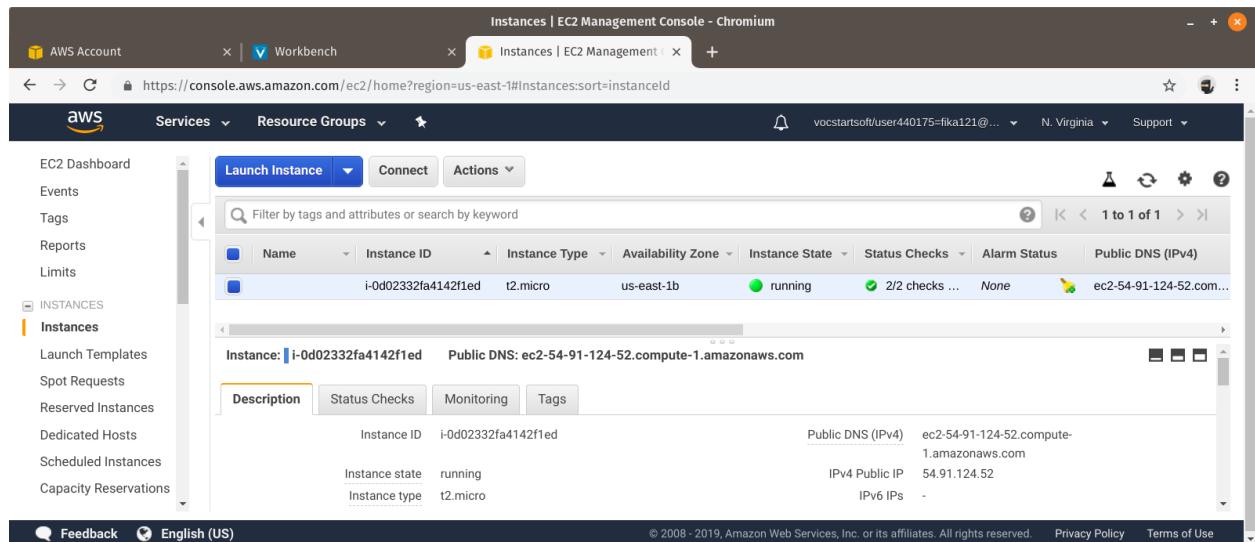


Minggu 2 . Pertemuan 3 . Fikar Mukamal

# Membuat Website dari Wordpress di AWS Cloud

## Launch a Virtual Machine EC2

### 1. Jalankan EC2 instance



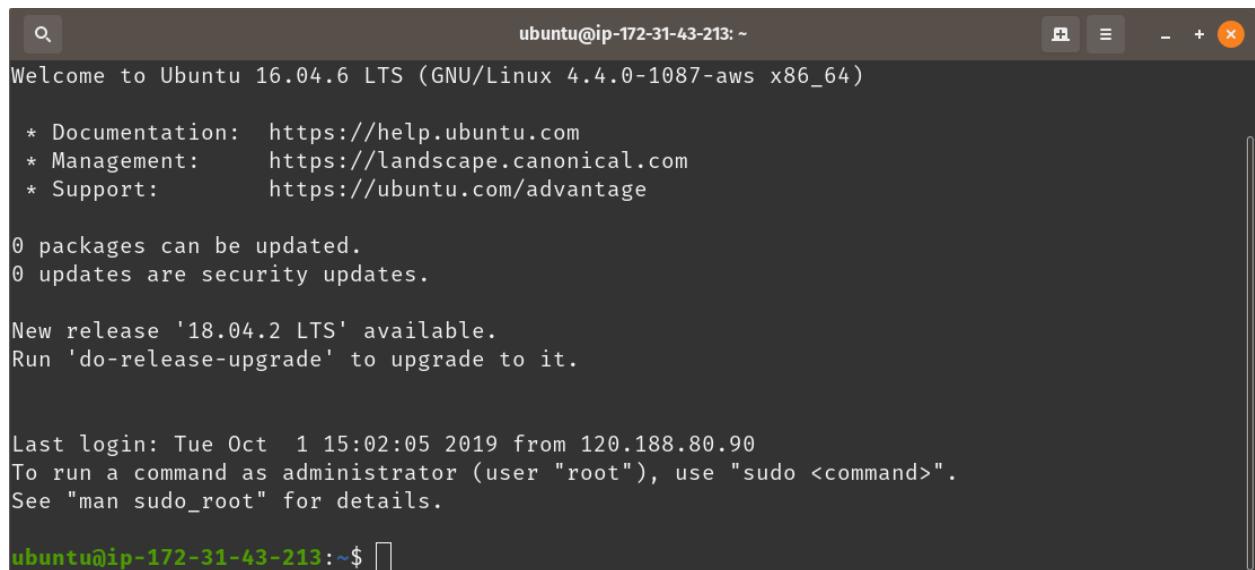
The screenshot shows the AWS EC2 Management Console interface. In the center, there is a table listing a single instance. The instance details are as follows:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
i-0d02332fa4142f1ed	t2.micro	us-east-1b	running	2/2 checks ...	None	ec2-54-91-124-52.com...	

Below the table, there is a detailed view for the selected instance (i-0d02332fa4142f1ed). It shows the following information:

Description	Instance ID	Public DNS (IPv4)
Instance state	i-0d02332fa4142f1ed	ec2-54-91-124-52.compute-1.amazonaws.com
Instance type	running	IPv4 Public IP 54.91.124.52
		IPv6 IPs -

### 2. Lakukan koneksi remote menggunakan SSH client melalui terminal linux



```
ubuntu@ip-172-31-43-213: ~
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-1087-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

0 packages can be updated.
0 updates are security updates.

New release '18.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

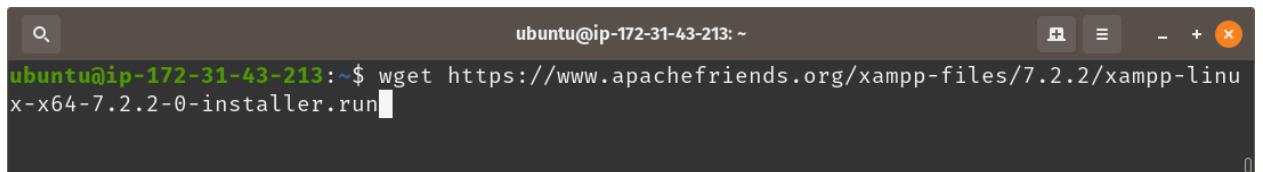
Last login: Tue Oct  1 15:02:05 2019 from 120.188.80.90
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-43-213:~$ 
```

## Installing XAMPP

30. Unduh file installer XAMPP dengan perintah berikut

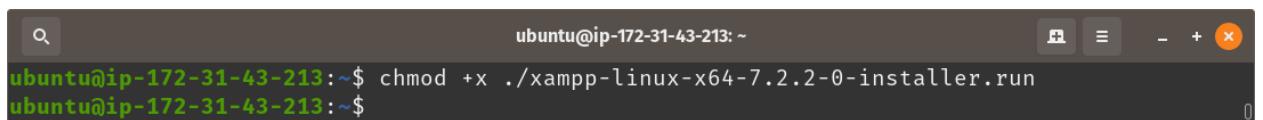
```
$ wget  
https://www.apachefriends.org/xampp-files/7.2.2/xampp-linux-x64-7.2.2-0-installer.run
```



```
ubuntu@ip-172-31-43-213:~$ wget https://www.apachefriends.org/xampp-files/7.2.2/xampp-linux-x64-7.2.2-0-installer.run
```

31. Modifikasi installer XAMPP agar bisa dieksekusi

```
$ chmod +x ./xampp-linux-x64-7.2.2-0-installer.run
```

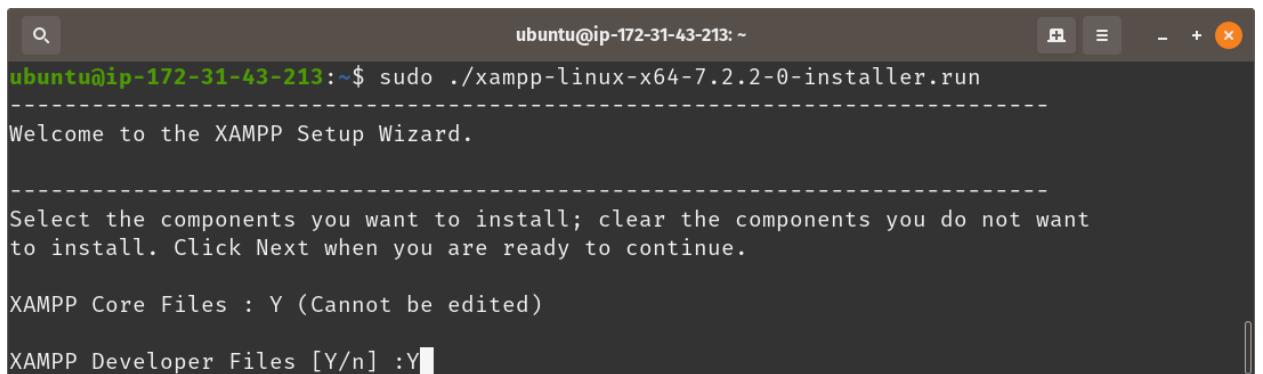


```
ubuntu@ip-172-31-43-213:~$ chmod +x ./xampp-linux-x64-7.2.2-0-installer.run  
ubuntu@ip-172-31-43-213:~$
```

32. Eksekusi file installer

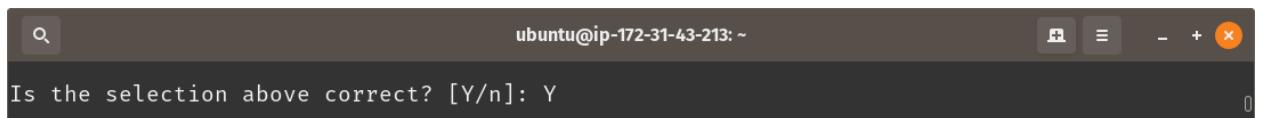
```
$ sudo ./xampp-linux-x64-7.2.2-0-installer.run
```

Masukkan "Y" untuk melanjutkan



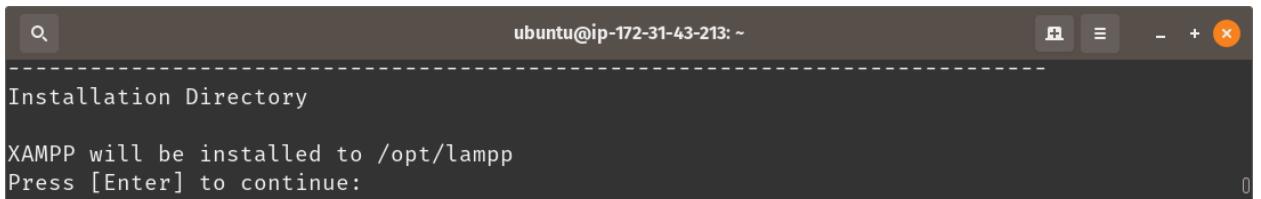
```
ubuntu@ip-172-31-43-213:~$ sudo ./xampp-linux-x64-7.2.2-0-installer.run  
-----  
Welcome to the XAMPP Setup Wizard.  
-----  
Select the components you want to install; clear the components you do not want  
to install. Click Next when you are ready to continue.  
XAMPP Core Files : Y (Cannot be edited)  
XAMPP Developer Files [Y/n] :Y
```

33. Masukkan "Y" lagi



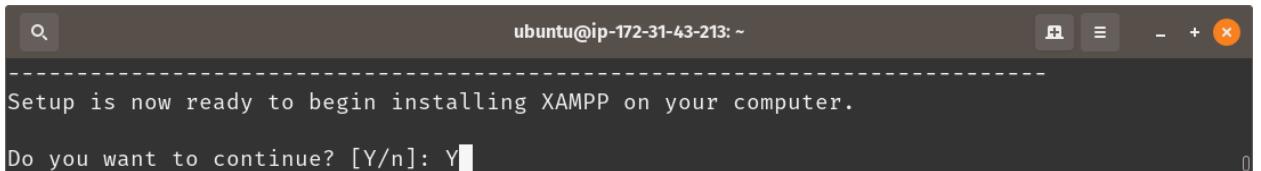
```
ubuntu@ip-172-31-43-213:~$ Is the selection above correct? [Y/n]: Y
```

34. Tekan enter untuk menginstall ke direktori yang dicantumkan



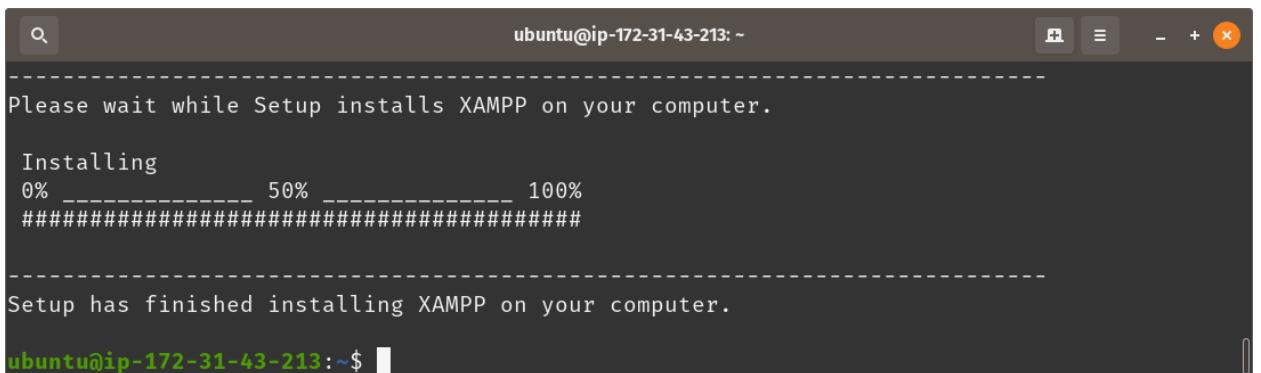
```
ubuntu@ip-172-31-43-213: ~
-----
Installation Directory
XAMPP will be installed to /opt/lampp
Press [Enter] to continue:
```

35. Masukkan "Y" untuk memulai instalasi



```
ubuntu@ip-172-31-43-213: ~
-----
Setup is now ready to begin installing XAMPP on your computer.
Do you want to continue? [Y/n]: Y
```

36. Instalasi selesai



```
ubuntu@ip-172-31-43-213: ~
-----
Please wait while Setup installs XAMPP on your computer.

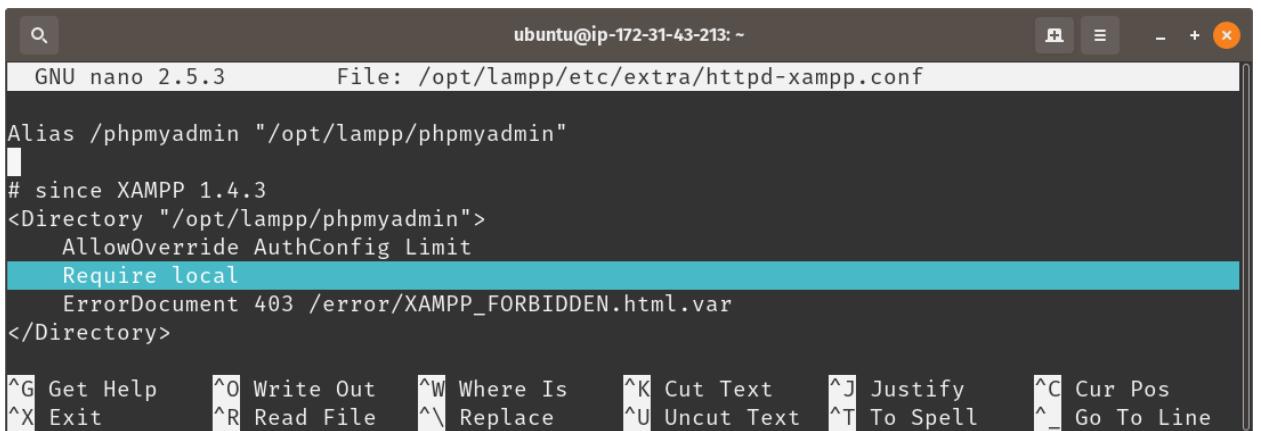
Installing
0% ----- 50% ----- 100%
#####
-----
Setup has finished installing XAMPP on your computer.

ubuntu@ip-172-31-43-213:~$
```

## Configuring XAMPP

37. Buka file httpd-xampp.conf

```
$ sudo nano /opt/lampp/etc/extra/httpd-xampp.conf
```

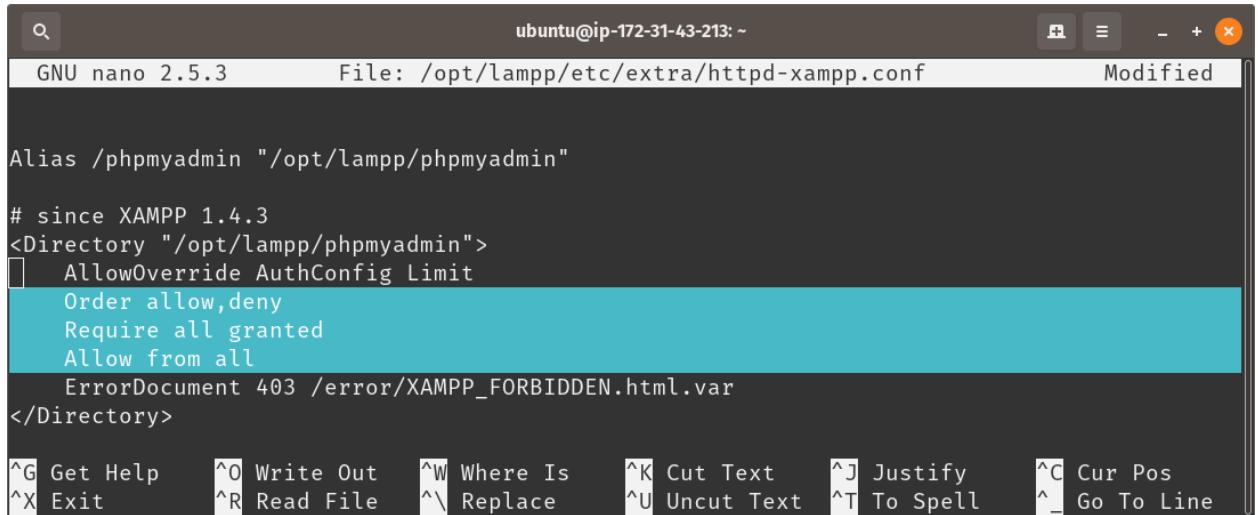


```
ubuntu@ip-172-31-43-213: ~
GNU nano 2.5.3          File: /opt/lampp/etc/extra/httpd-xampp.conf

Alias /phpmyadmin "/opt/lampp/phpmyadmin"
#
# since XAMPP 1.4.3
<Directory "/opt/lampp/phpmyadmin">
    AllowOverride AuthConfig Limit
    Require local
    ErrorDocument 403 /error/XAMPP_FORBIDDEN.html.var
</Directory>

^G Get Help      ^O Write Out     ^W Where Is      ^K Cut Text      ^J Justify      ^C Cur Pos
^X Exit         ^R Read File     ^\ Replace       ^U Uncut Text    ^T To Spell     ^_ Go To Line
```

38. Ubah baris yang di-highlight berwarna biru pada tahap sebelumnya (nomor 38) menjadi seperti pada gambar berikut. Simpan dengan Ctrl+O kemudian enter. Sedangkan Ctrl+X untuk keluar



```
ubuntu@ip-172-31-43-213: ~
GNU nano 2.5.3          File: /opt/lampp/etc/extr/httdp-xampp.conf      Modified

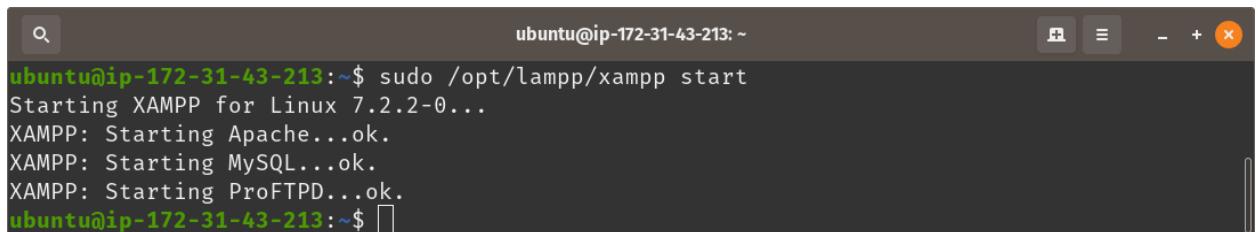
Alias /phpmyadmin "/opt/lampp/phpmyadmin"

# since XAMPP 1.4.3
<Directory "/opt/lampp/phpmyadmin">
    AllowOverride AuthConfig Limit
        Order allow,deny
        Require all granted
        Allow from all
        ErrorDocument 403 /error/XAMPP_FORBIDDEN.html.var
</Directory>

^G Get Help      ^O Write Out     ^W Where Is      ^K Cut Text      ^J Justify      ^C Cur Pos
^X Exit         ^R Read File     ^\ Replace       ^U Uncut Text    ^T To Spell     ^_ Go To Line
```

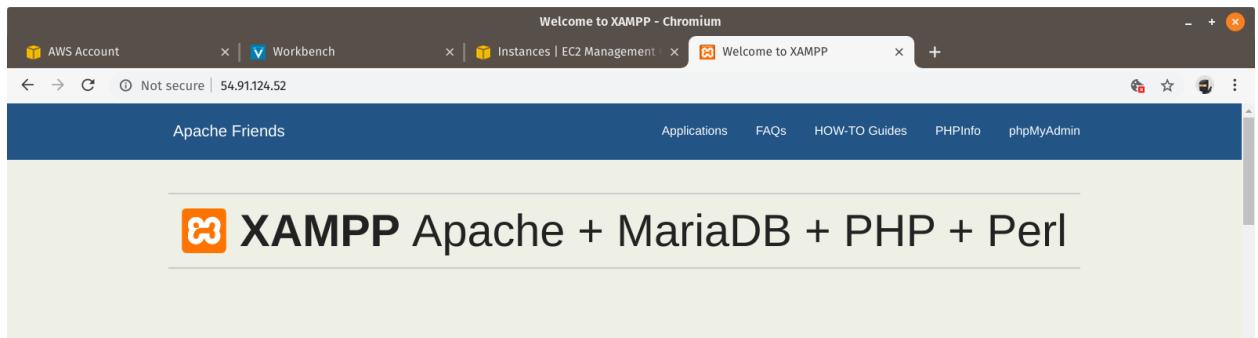
## Running XAMPP

39. Menjalankan server xampp  
\$ sudo /opt/lampp/xampp start



```
ubuntu@ip-172-31-43-213: ~$ sudo /opt/lampp/xampp start
Starting XAMPP for Linux 7.2.2-0...
XAMPP: Starting Apache...ok.
XAMPP: Starting MySQL...ok.
XAMPP: Starting ProFTPD...ok.
ubuntu@ip-172-31-43-213: ~$
```

40. Tampilan ketika membuka alamat IPv4 dari EC2 instance di browser.



## Welcome to XAMPP for Linux 7.2.2

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can

## Instalasi Wordpress dengan Bitnami Module

41. Unduh installer wordpress melalui bitnami.com dengan perintah berikut

```
$ curl -O
```

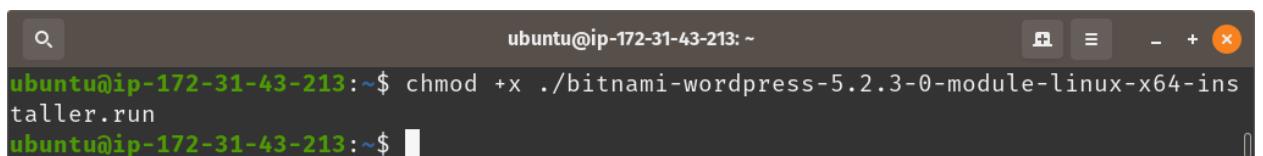
```
https://downloads.bitnami.com/files/stacks/wordpress/5.2.3-0/bitnami-wordpress-5.2.3-0-module-linux-x64-installer.run
```



```
ubuntu@ip-172-31-43-213:~$ curl -O https://downloads.bitnami.com/files/stacks/wordpress/5.2.3-0/bitnami-wordpress-5.2.3-0-module-linux-x64-installer.run
```

42. Tambahkan permission untuk execute pada installer wordpress

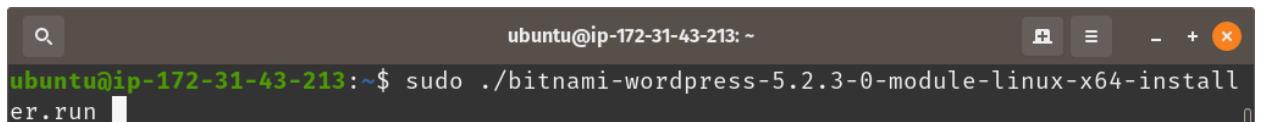
```
$ chmod +x ./bitnami-wordpress-5.2.3-0-module-linux-x64-installer.run
```



```
ubuntu@ip-172-31-43-213:~$ chmod +x ./bitnami-wordpress-5.2.3-0-module-linux-x64-installer.run
```

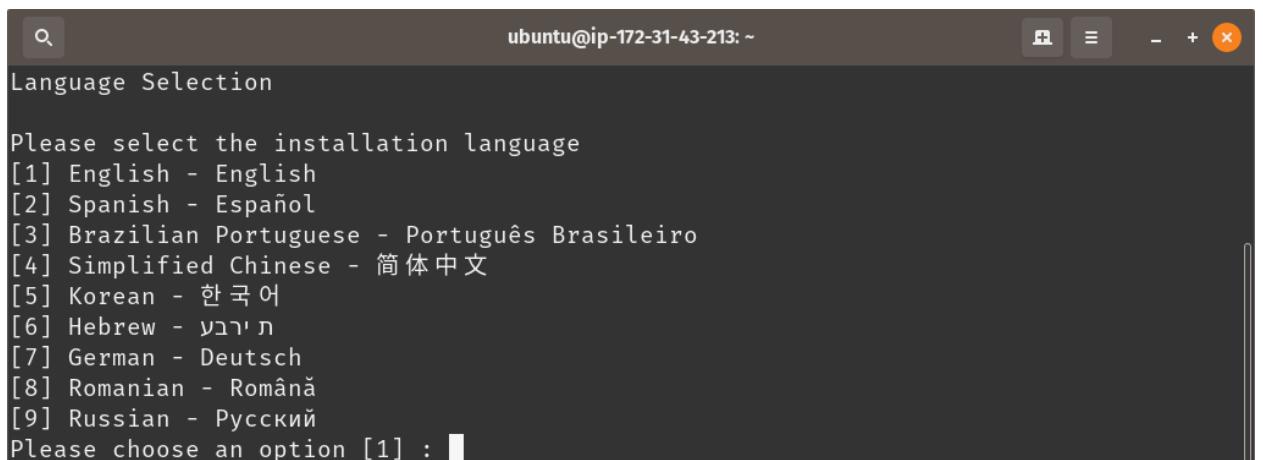
43. Eksekusi installer wordpress

```
$ sudo ./bitnami-wordpress-5.2.3-0-module-linux-x64-installer.run
```



```
ubuntu@ip-172-31-43-213:~$ sudo ./bitnami-wordpress-5.2.3-0-module-linux-x64-installer.run
```

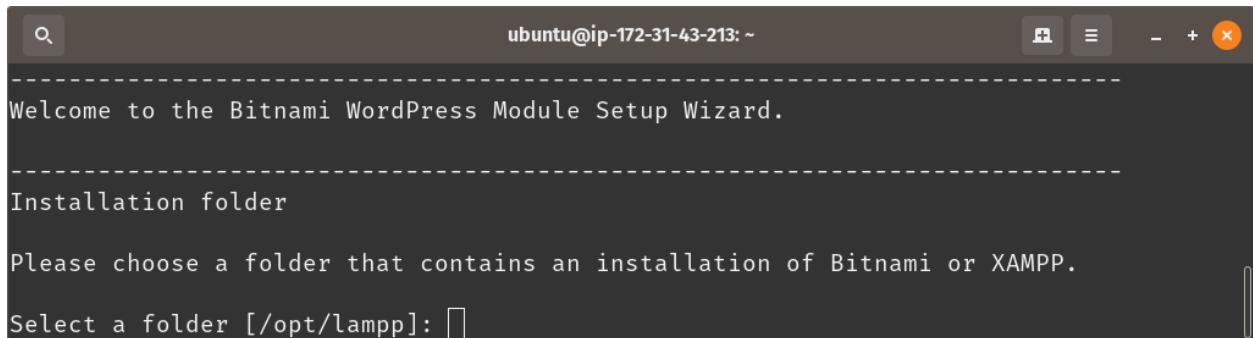
44. Pilih bahasa inggris dengan masukkan angka 1 kemudian tekan enter



```
Language Selection

Please select the installation language
[1] English - English
[2] Spanish - Español
[3] Brazilian Portuguese - Português Brasileiro
[4] Simplified Chinese - 简体中文
[5] Korean - 한국어
[6] Hebrew - עברית
[7] German - Deutsch
[8] Romanian - Română
[9] Russian - Русский
Please choose an option [1] :
```

45. Tekan enter lagi



```
ubuntu@ip-172-31-43-213: ~
-----
Welcome to the Bitnami WordPress Module Setup Wizard.

-----
Installation folder

Please choose a folder that contains an installation of Bitnami or XAMPP.

Select a folder [/opt/lampp]: /opt/lampp
```

46. Isi nama admin untuk login ke wordpress



```
ubuntu@ip-172-31-43-213: ~
-----
Create Admin account

Login [user]: root
```

47. Isi nama lengkap

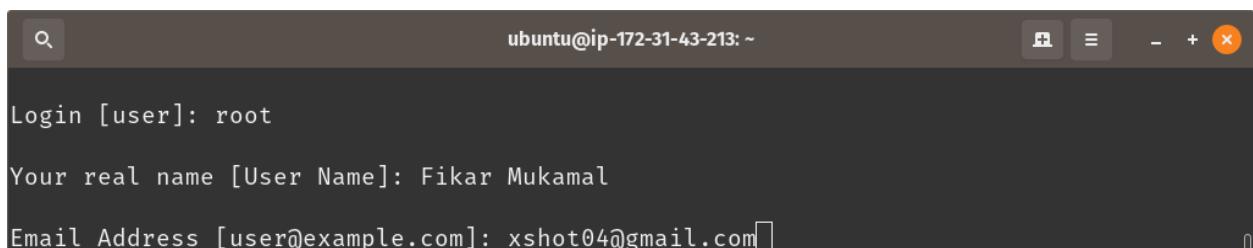


```
ubuntu@ip-172-31-43-213: ~
-----
Create Admin account

Login [user]: root

Your real name [User Name]: Fikar Mukamal
```

48. Isi alamat email

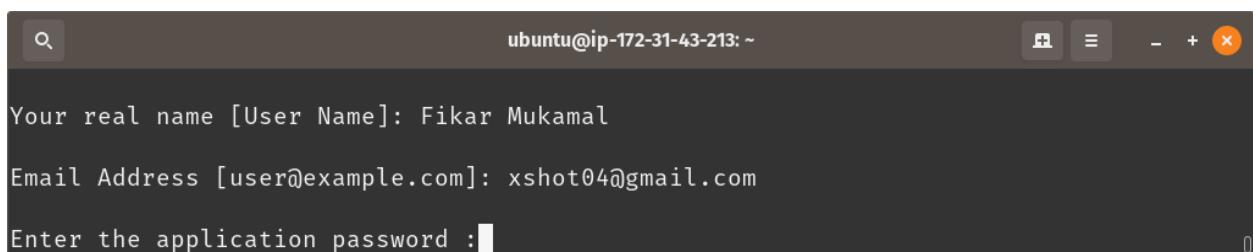


```
ubuntu@ip-172-31-43-213: ~
-----
Login [user]: root

Your real name [User Name]: Fikar Mukamal

Email Address [user@example.com]: xshot04@gmail.com
```

49. Masukkan password untuk login ke wordpress



```
ubuntu@ip-172-31-43-213: ~
-----
Your real name [User Name]: Fikar Mukamal

Email Address [user@example.com]: xshot04@gmail.com

Enter the application password :
```

50. Masukkan ulang password

```
ubuntu@ip-172-31-43-213: ~
Your real name [User Name]: Fikar
Email Address [user@example.com]: xshot04@gmail.com
Enter the application password :
Retype password :█
```

51. Isi nama blog

```
ubuntu@ip-172-31-43-213: ~
-----
WordPress
Please configure WordPress installation
Blog name [root's Blog!]: Fikar's Personal Blog█
```

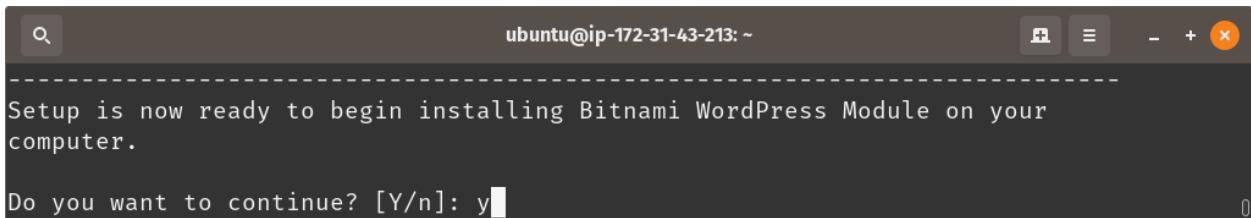
52. Masukkan "n"

```
ubuntu@ip-172-31-43-213: ~
-----
Please configure WordPress installation
Blog name [root's Blog!]: Fikar's Personal Blog
Do you want to configure mail support? [y/N]: n█
```

53. Masukkan angka 1

```
ubuntu@ip-172-31-43-213: ~
-----
Installation type
Please select the use of this Stack
[1] Development Settings: Enables changes to file permissions and configuration settings that make it easy to install plugins, themes and updates for certain applications, but that are not optimal from a security standpoint. Recommended if you are using this stack for development purposes or within your company.
[2] Production settings: File permissions and configuration settings will be set with security and performance in mind. Installing certain plugins, themes and updates may require manual changes or installing additional services like FTP. Recommended if this stack will be deployed on a public server.
Please choose an option [2] : 1█
```

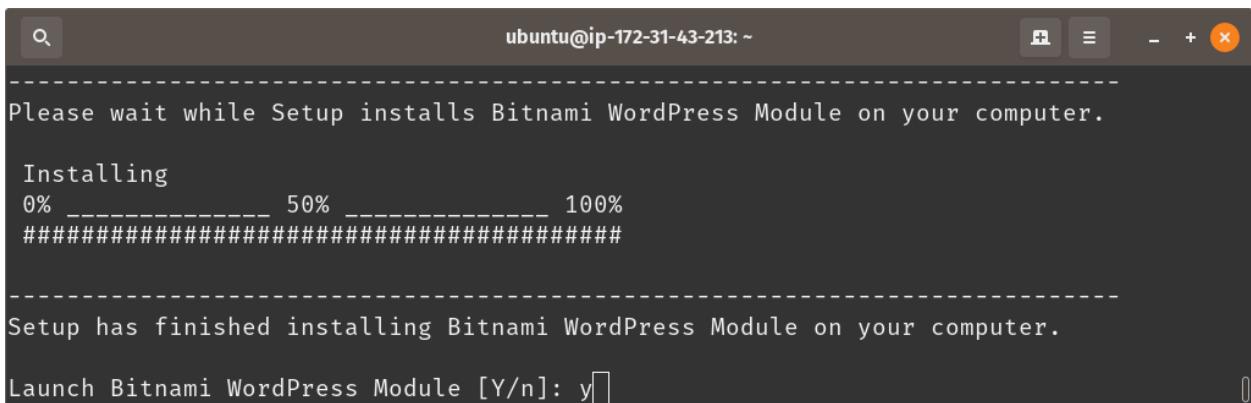
54. Masukkan "y" untuk memulai instalasi



```
ubuntu@ip-172-31-43-213: ~
-----
Setup is now ready to begin installing Bitnami WordPress Module on your computer.

Do you want to continue? [Y/n]: y
```

55. Tunggu instalasi hingga selesai. Kemudian masukkan "y" untuk menjalankan wordpress

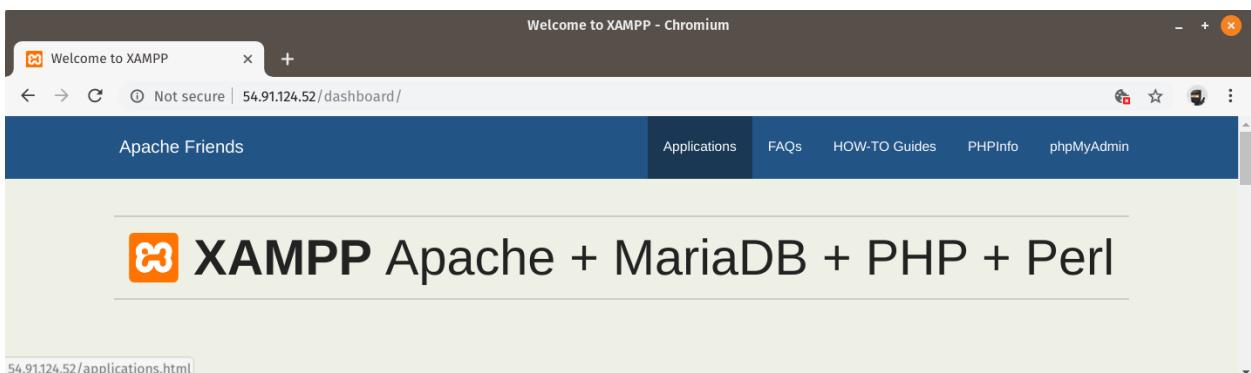


```
ubuntu@ip-172-31-43-213: ~
-----
Please wait while Setup installs Bitnami WordPress Module on your computer.

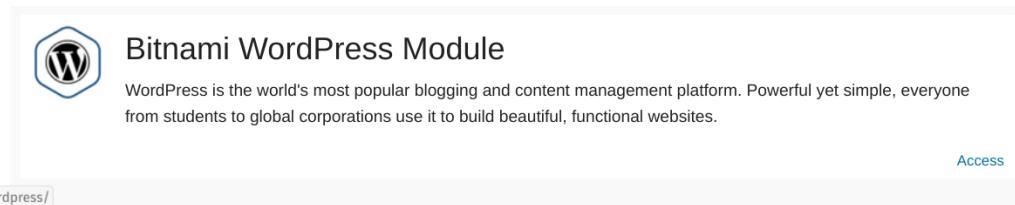
Installing
0% ----- 50% ----- 100%
#####
-----
Setup has finished installing Bitnami WordPress Module on your computer.

Launch Bitnami WordPress Module [Y/n]: y
```

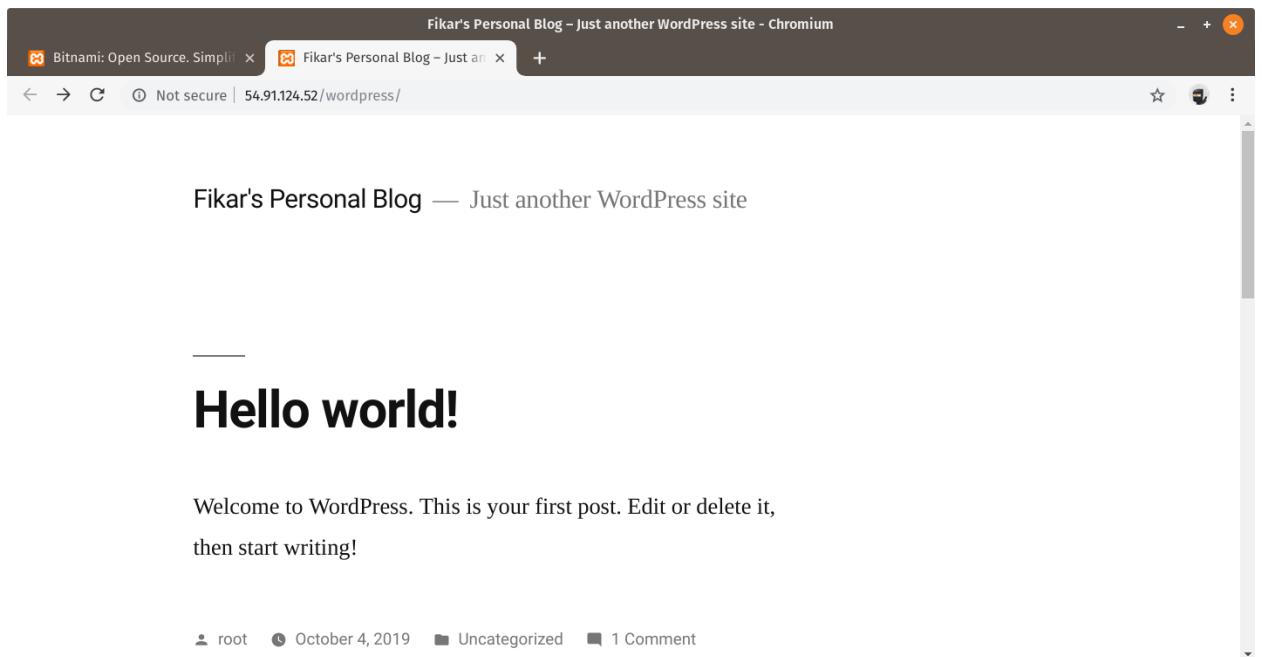
56. Masukkan alamat URL IPv4 public dari instance EC2 di browser. Kemudian pilih Applications



57. Pilih tombol “Access” pada Bitnami Wordpress Module

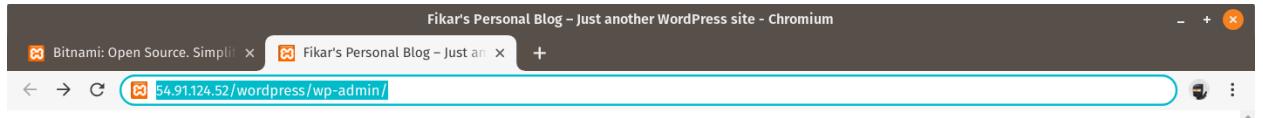


58. Jika muncul tampilan hello world berarti instalasi telah berhasil

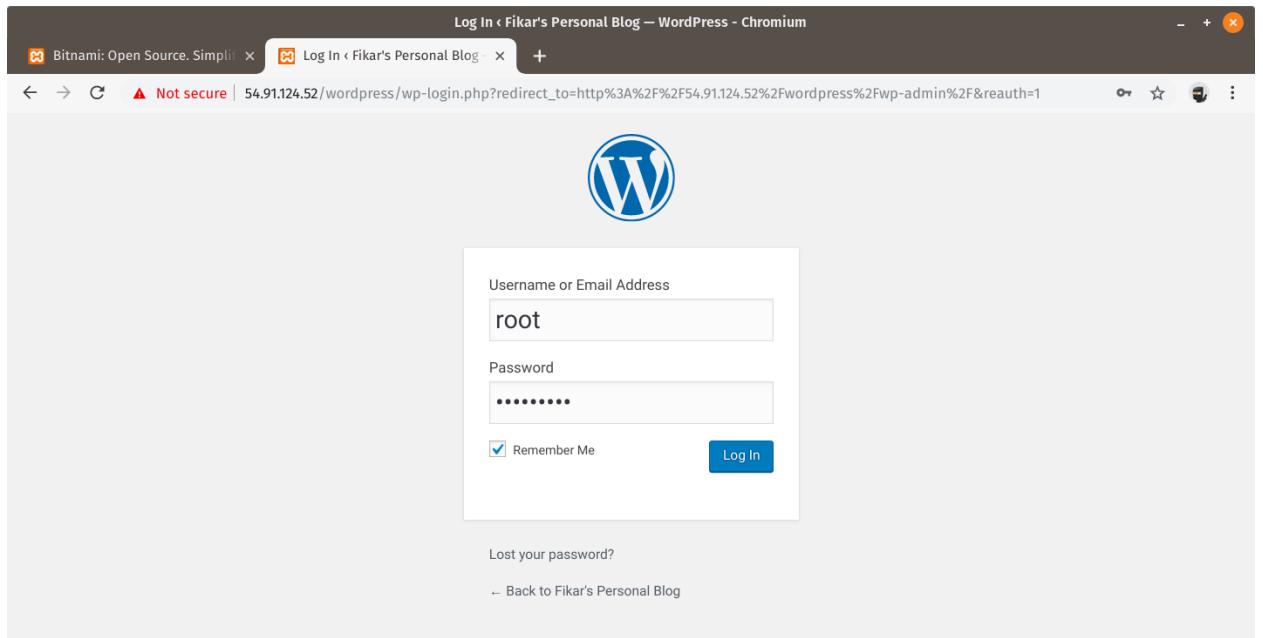


## Change and Customize Wordpress Theme

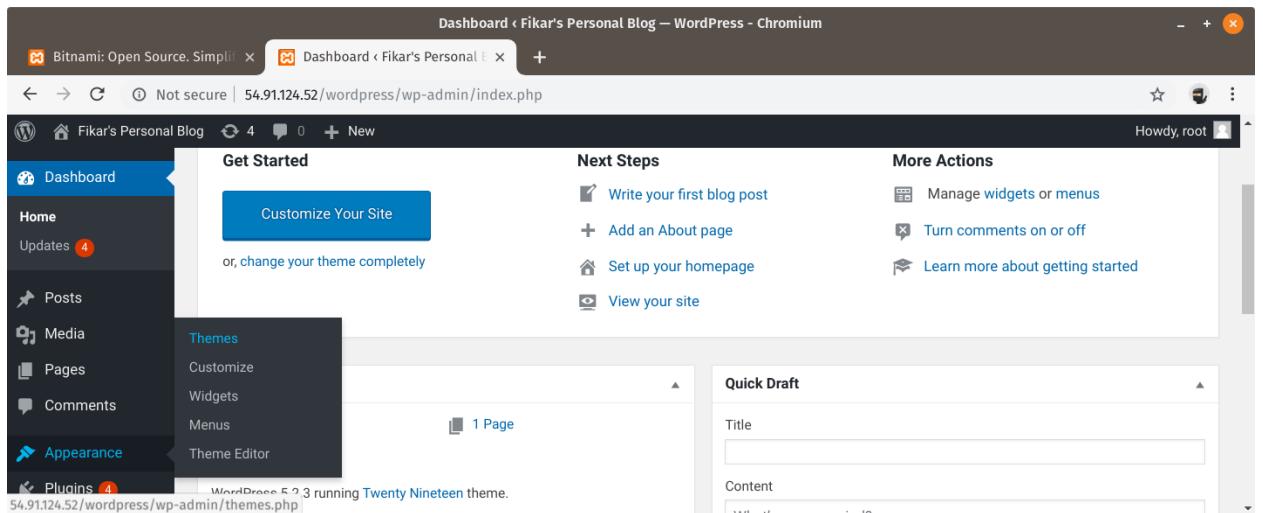
59. Buka pada browser alamat URL IPv4 public dari instance EC2 diikuti dengan "/wordpress/wp-admin"



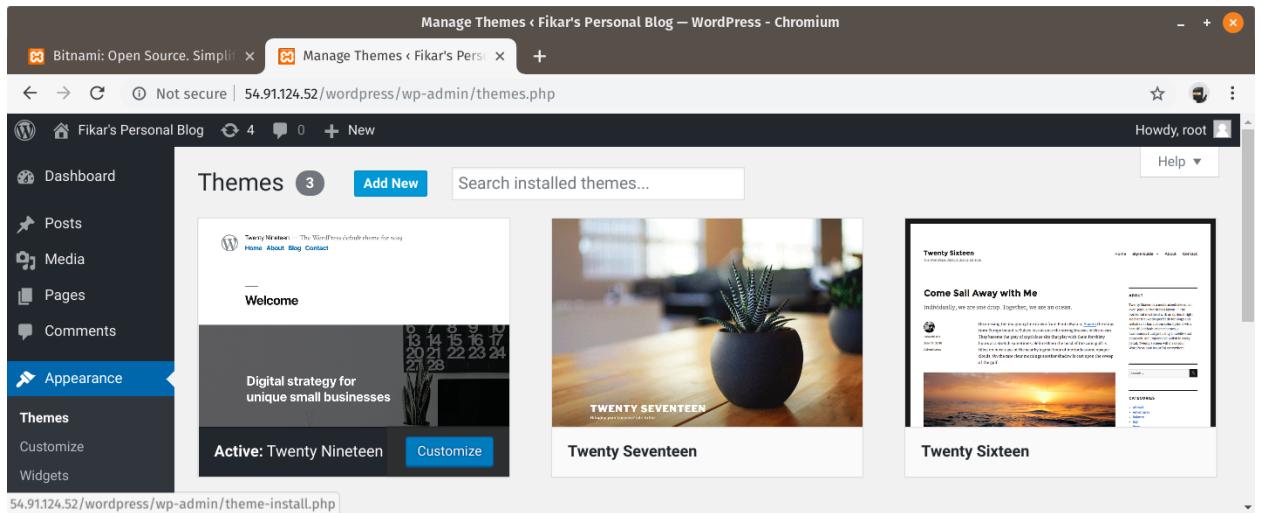
60. Isi username dan password sesuai instalasi



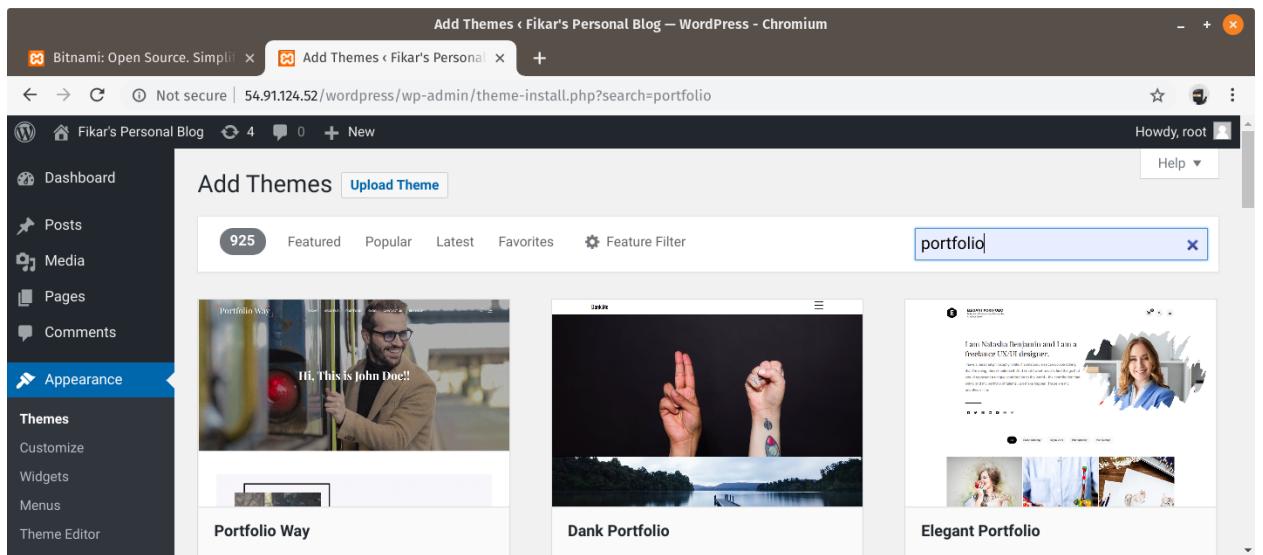
61. Setelah tampil halaman dashboard, pada panel sebelah kiri, cari menu "Appearance" dan pilih sub menu "Themes"



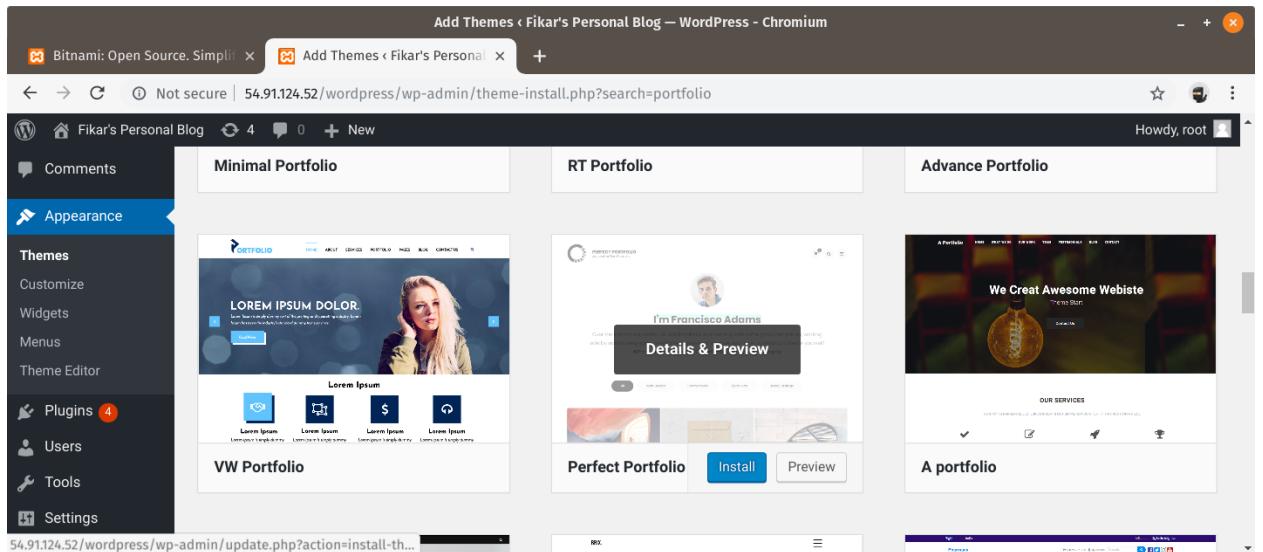
62. Pilih tombol “Add New” untuk menambahkan tema yang tidak ada dalam daftar



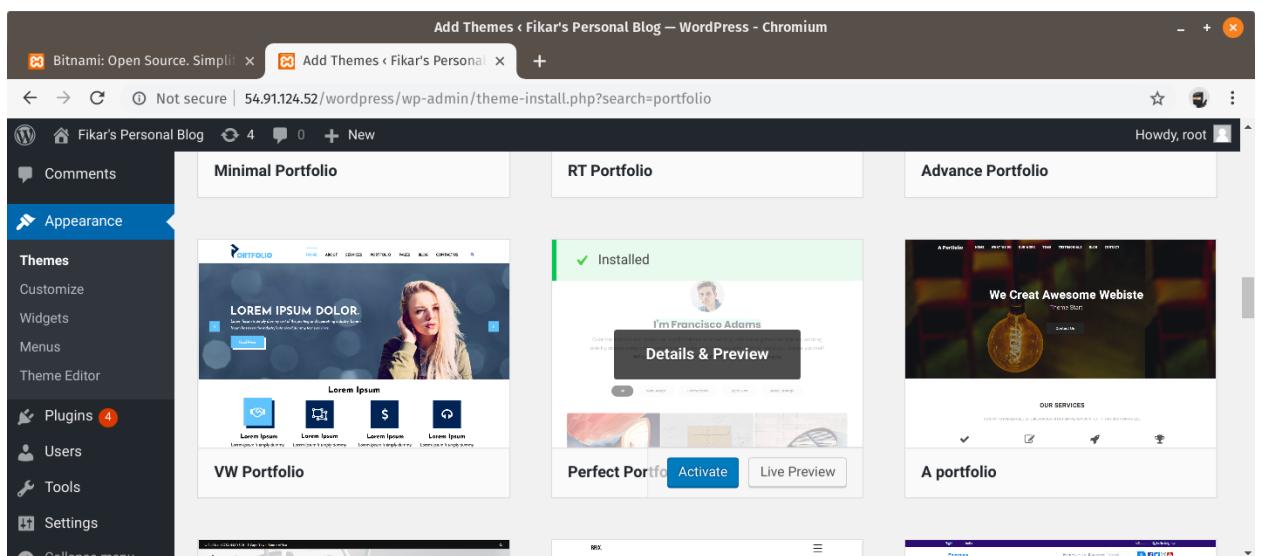
63. Cari tema sesuai dengan keinginan, misalnya tema yang berkaitan dengan protofolio



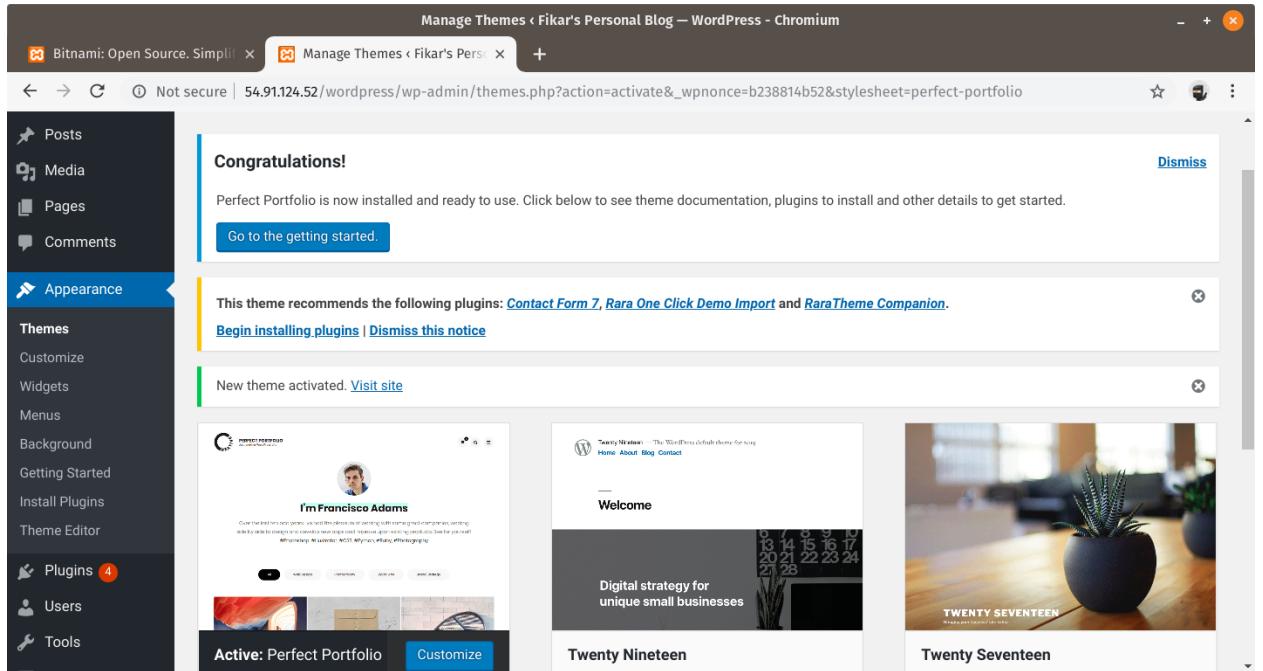
64. Setelah hasil pencarian muncul, pilih salah satu tema, lalu tekan tombol “Install”



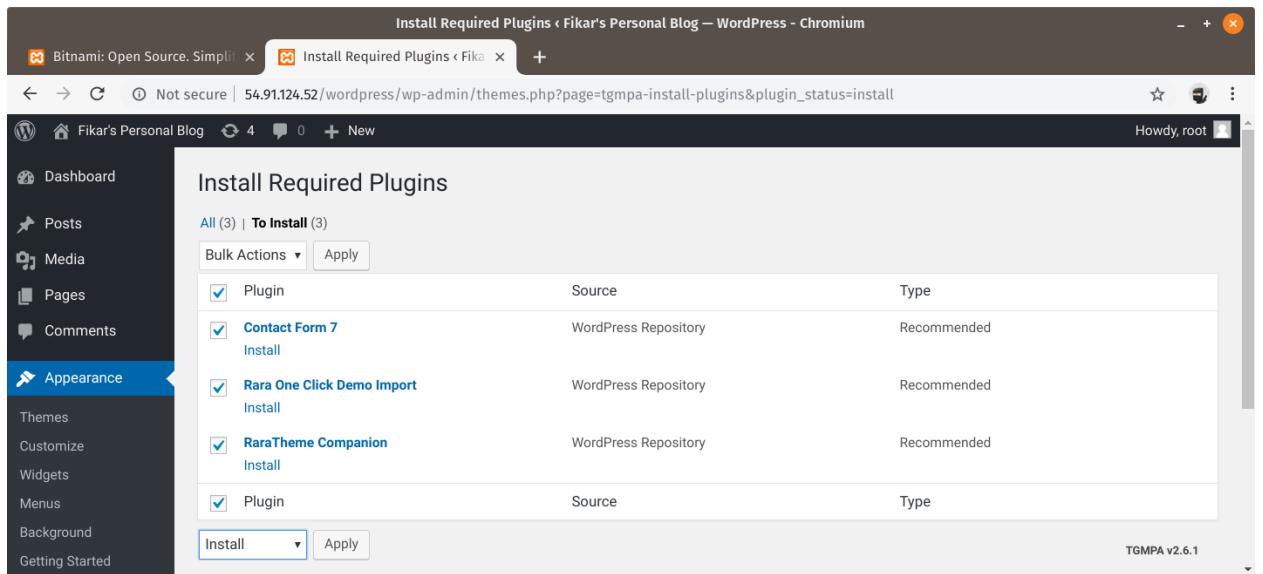
65. Setelah muncul pesan “Installed”, tekan tombol “Activate”



66. Tunggu hingga proses selesai, selanjutnya akan diarahkan kembali ke halaman “Themes” dan muncul beberapa pesan. Ada tema yang menggunakan plugin tertentu. Maka pilih “begin installing plugins” untuk menginstal plugin



67. Centang semua plugin, pilih action “Install”, kemudian tekan tombol “Apply”



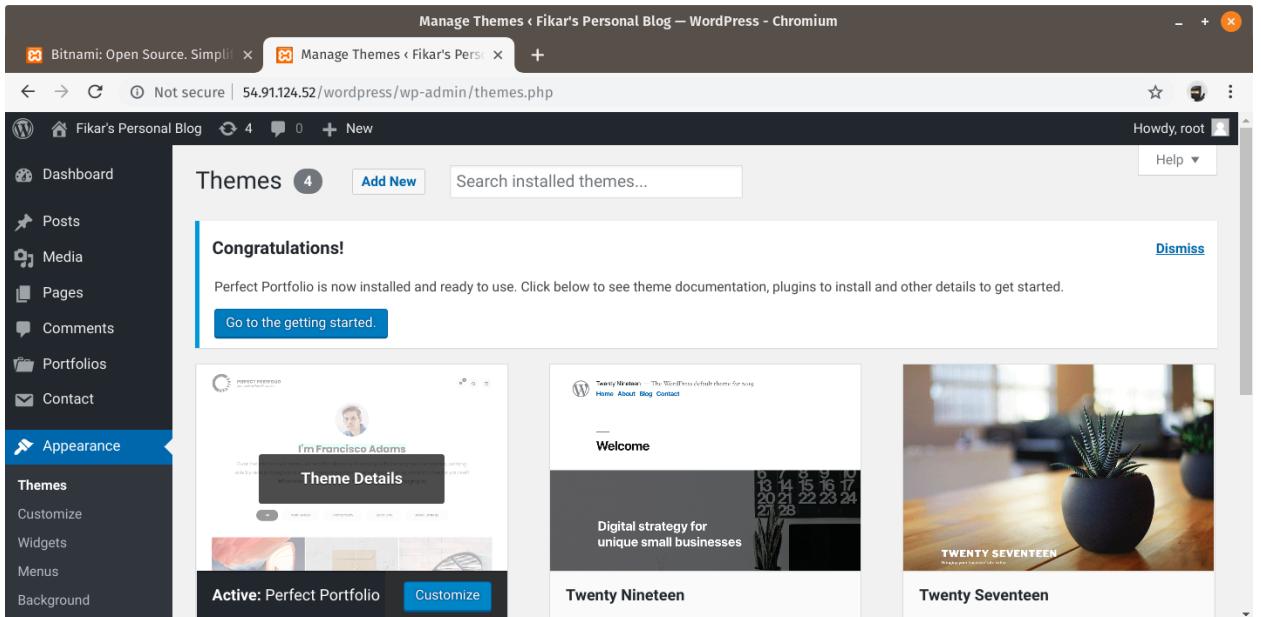
68. Tunggu hingga seluruh instalasi completed kemudian pilih “Return to Required Plugins Installer”

The screenshot shows a browser window titled "Install Required Plugins < Fikar's Personal Blog – WordPress - Chromium". The URL is 54.91.124.52/wordpress/wp-admin/themes.php?page=tgmpa-install-plugins&plugin\_status=install. The left sidebar shows the WordPress dashboard menu with "Appearance" selected. The main content area is titled "Install Required Plugins" and displays the message "The installation process is starting. This process may take a while on some hosts, so please be patient." Below this, it lists three installed plugins: "Installing Plugin Contact Form 7 (1/3)", "Installing Plugin Rara One Click Demo Import (2/3)", and "Installing Plugin RaraTheme Companion (3/3)". Each item shows a warning message: "Warning: sprintf(): Too few arguments in /opt/lampp/apps/wordpress/htdocs/wp-admin/includes/class-bulk-upgrader-skin.php on line 153" followed by a "Show details" link. At the bottom, it says "All installations have been completed." and provides a link to "Return to Required Plugins Installer". The bottom right corner indicates "TGMPA v2.6.1".

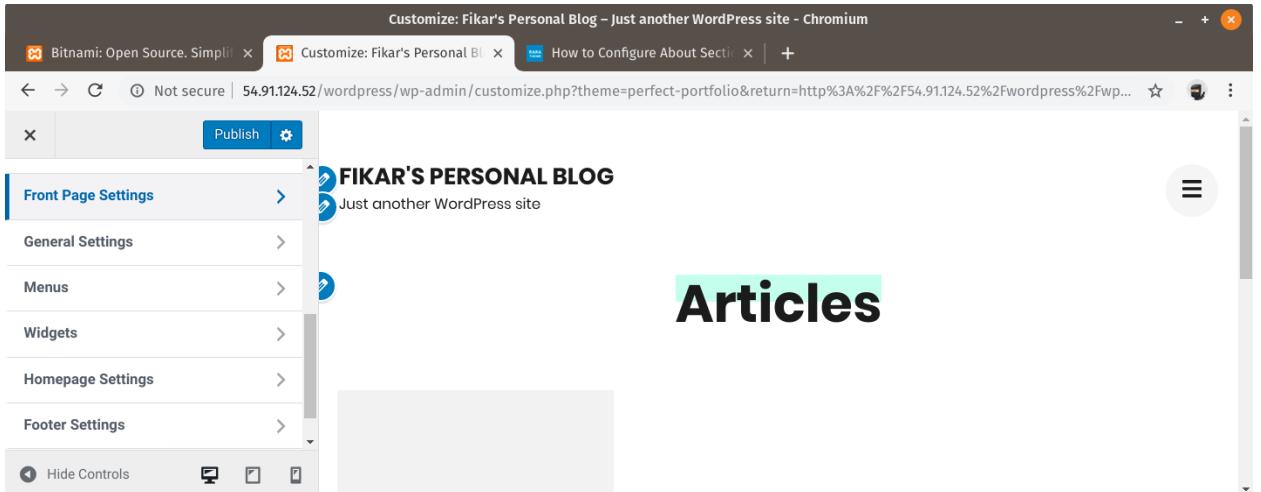
69. Centang semua plugin, plih action “Activate”, lalu tekan tombol “Apply”

The screenshot shows the same browser window as the previous one, but now the "To Activate" section is visible. It lists the three previously installed plugins: "Contact Form 7", "Rara One Click Demo Import", and "RaraTheme Companion", each with an "Activate" button next to it. The "Bulk Actions" dropdown is set to "Plugin". At the bottom, there are "Activate" and "Apply" buttons. The bottom right corner indicates "TGMPA v2.6.1".

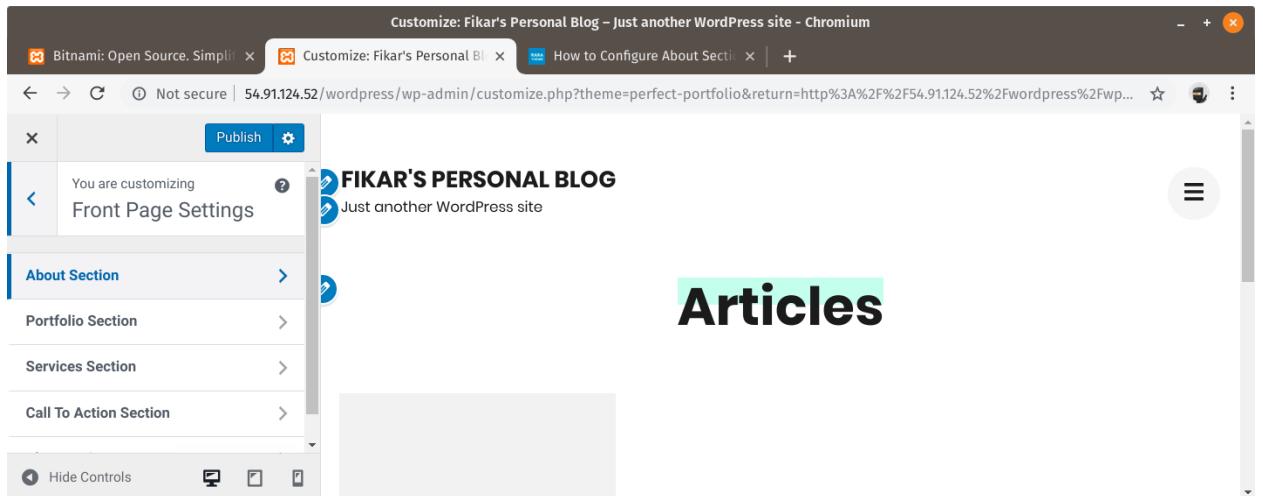
70. Setelah selesai kembali ke halaman tema. Pada tema yang terpasang, pilih “Customize”



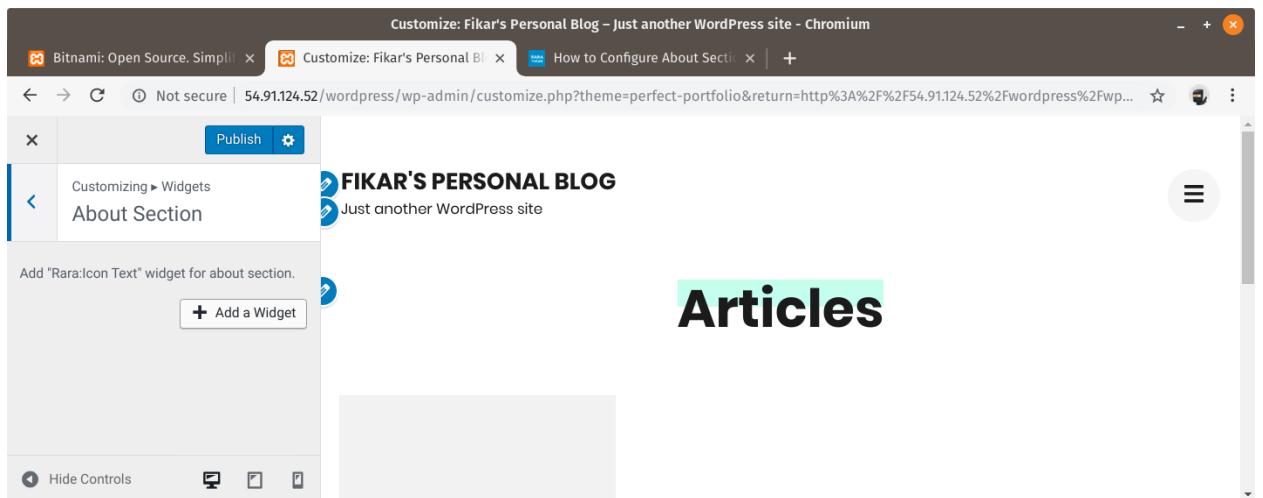
71. Setiap tema yang diinstal memiliki menu sendiri-sendiri. Pada tema ini, terdapat menu “Front Page Settings” untuk mengatur tampilan utama.



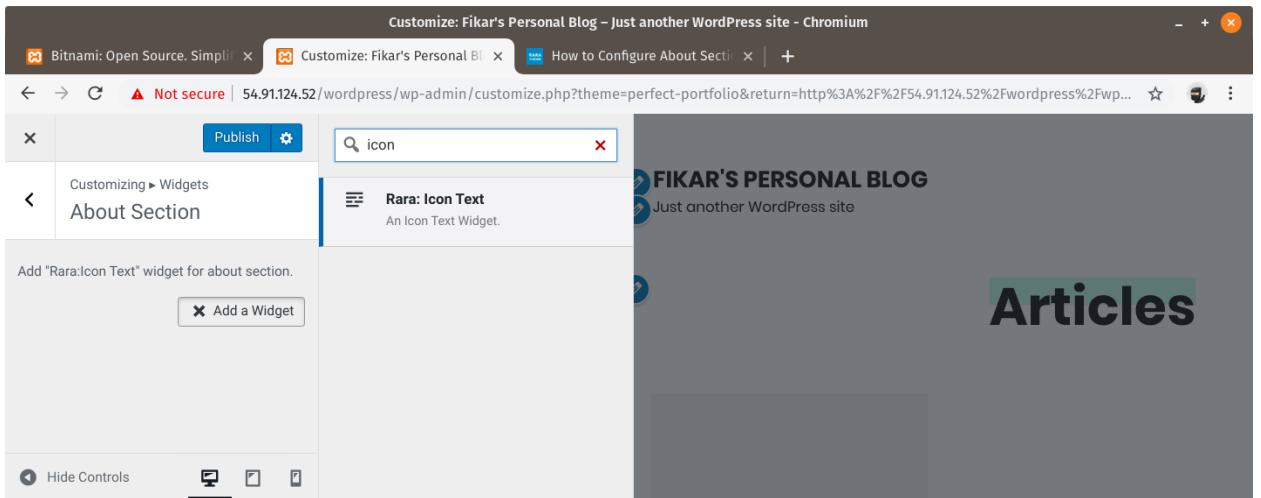
72. Di dalamnya terdapat menu “About Section” untuk mengatur halaman tentang personal



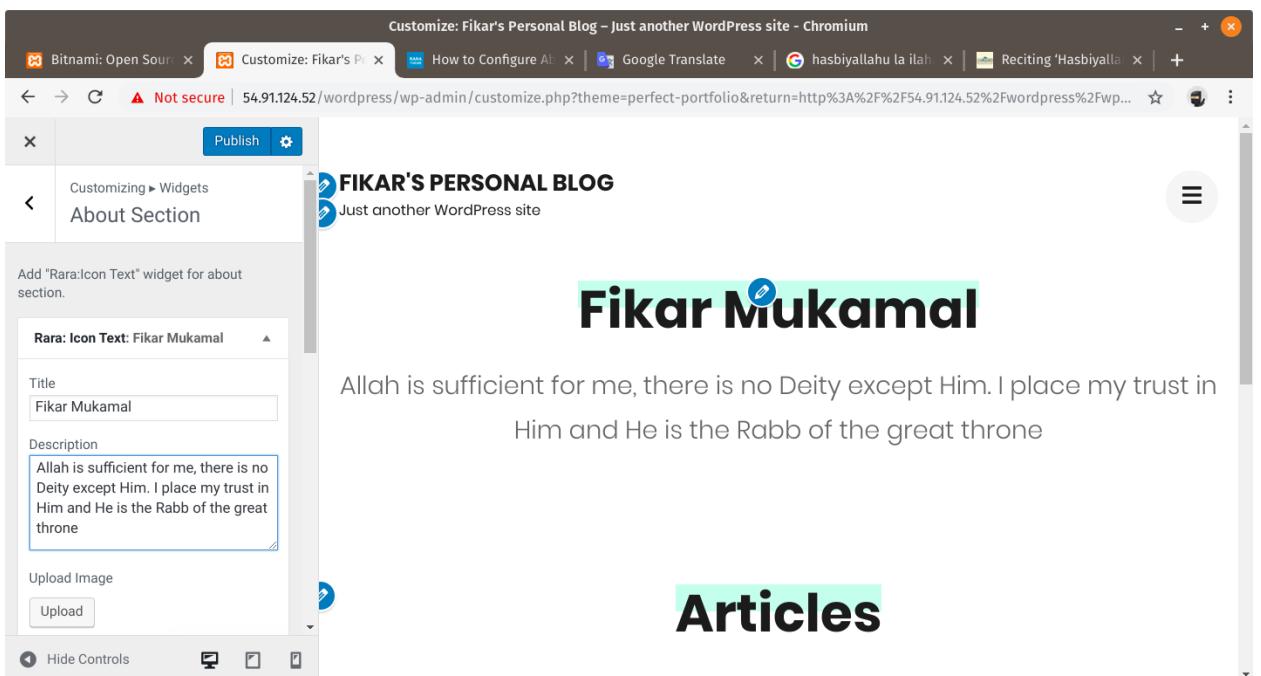
73. Tambahkan widget dengan menekan tombol “Add a Widget”



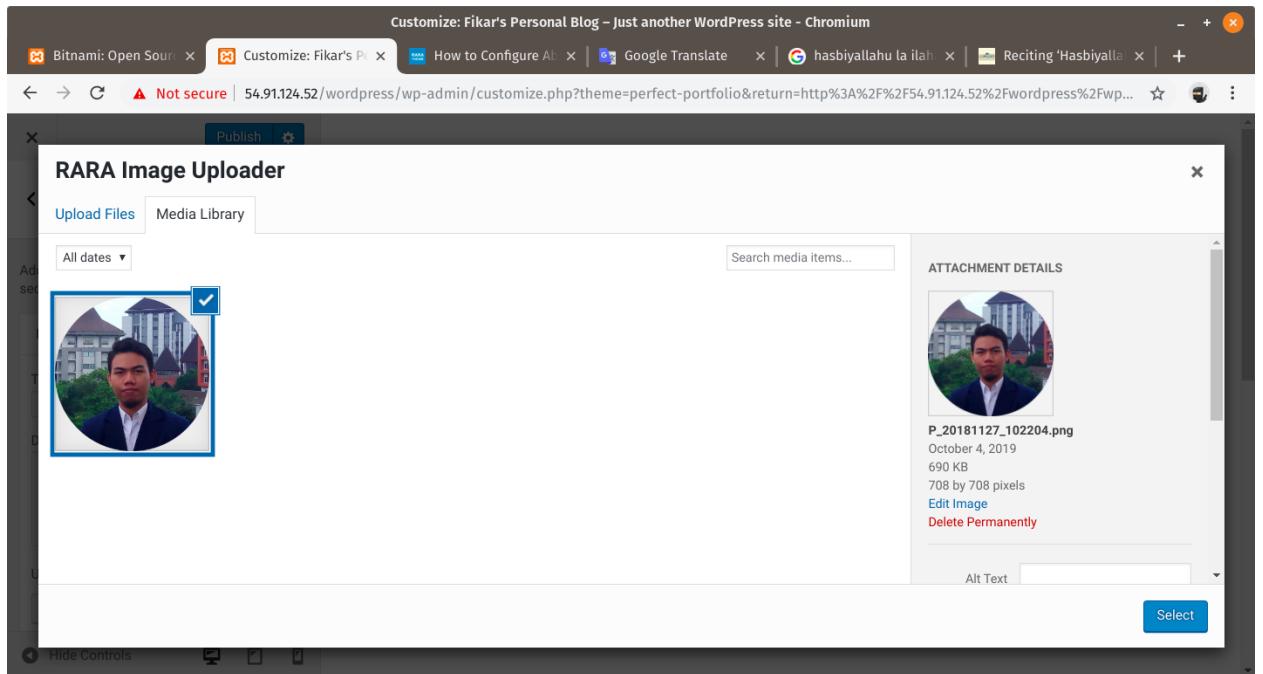
74. Cari “Rara: Icon Text”, plugin yang merupakan satu paket dengan tema yang diinstal



75. Isi field Title dan Description sesuai keinginan. Selain itu plugin ini juga bisa mengunggah gambar dengan cara menekan tombol “Upload”



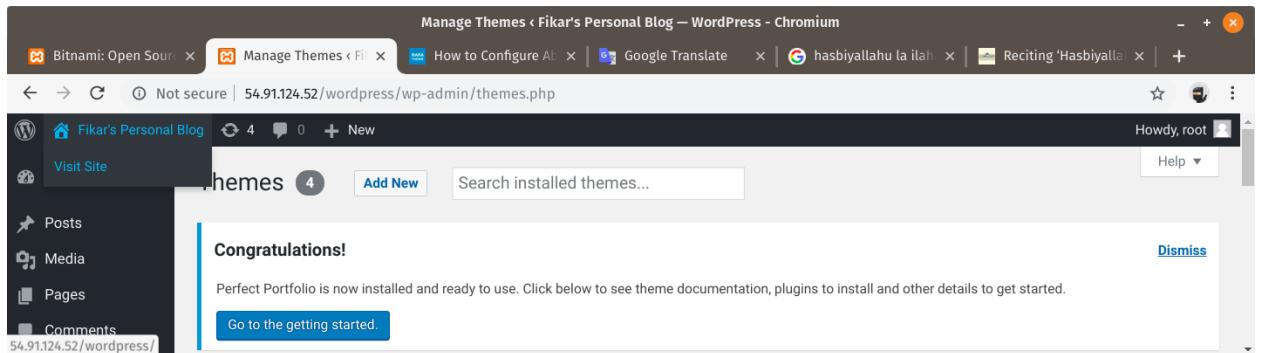
76. Drag and drop gambar yang ingin diunggah, misalnya foto profil. Kemudian tekan "Select" untuk unggah



77. Setelah selesai melakukan costumize tema, tekan tombol "Publish". Tekan simbol silang "x" untuk kembali ke dashboard

A screenshot of the WordPress dashboard titled "Customize: Fikar's Personal Blog – Just another WordPress site - Chromium". In the center, there's a preview of a blog post titled "FIKAR'S PERSONAL BLOG" with the subtitle "Just another WordPress site". The post content includes a circular profile picture of a man in a suit, a bio section with the title "Rara: Icon Text: Fikar Mukamal" and a description about Allah being sufficient, and a text area with the heading "Fikar Mukamal" and the same bio text. On the left side, a sidebar shows the "Customizing &gt; Widgets" section with an "About Section" entry. At the bottom left, there's a "Hide Controls" button. The top of the screen shows several browser tabs and the URL "54.91.124.52/wordpress/wp-admin/customize.php?theme=perfect-portfolio&amp;return=http%3A%2F%2F54.91.124.52%2Fwordpress%2Fwp...".

78. Pilih sub menu “Visit Site” untuk melihat hasil costumize



79. Berikut adalah tampilan halaman website setelah melakukan costumize tema

