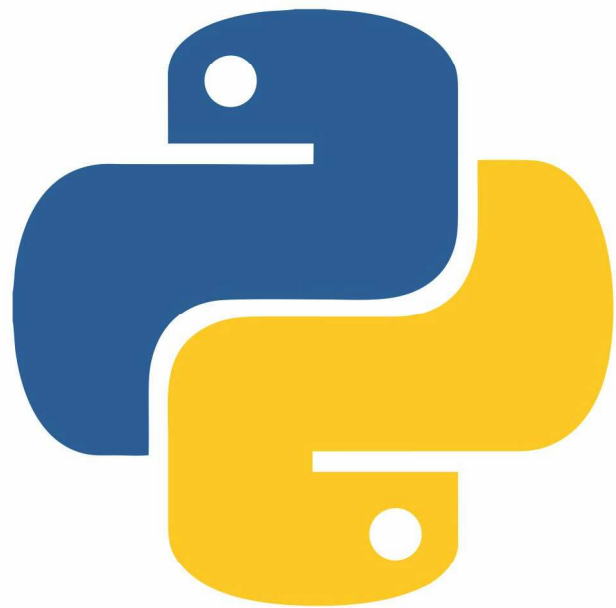


# PYTHON

## django

web framework

by Kevin Perdana



## User Management

### 12.1 Pendahuluan

Penjelasan tentang pengelolaan user.



Yang harus diketahui tentang

## PENGELOLAAN USER

---

1 grup terdiri dari banyak permissi.  
Contoh : Grup Pustakawan memiliki akses ke Data Buku, Kategori, dll.

1 grup bisa terdiri dari banyak user.  
Contoh : Grup Pustakawan berisi user chesterbennington, garyvee, dll.

### 12.2 Implementasi

Ikuti langkah-langkah di bawah ini.

1. Lakukan **runserver**.

```
Command Prompt - manage.py runserver

C:\Users\kevin>cd..

C:\Users>cd..

C:\>cd Kuliah Python Django

C:\Kuliah Python Django>Env\Scripts\activate

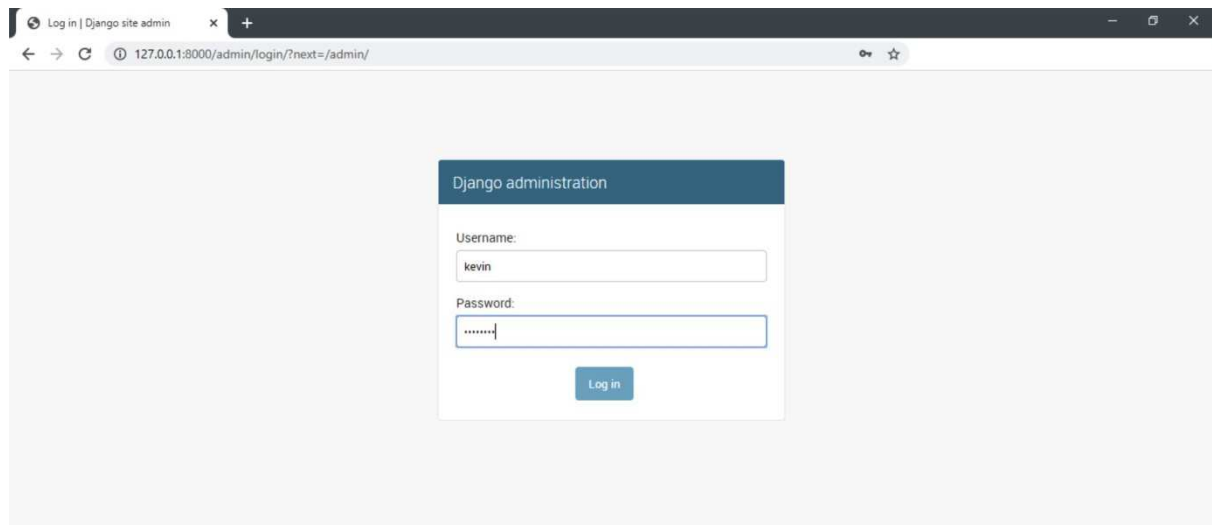
(Env) C:\Kuliah Python Django>cd websiteku

(Env) C:\Kuliah Python Django\websiteku>manage.py runserver
Performing system checks...

System check identified no issues (0 silenced).
January 23, 2020 - 10:49:07
Django version 1.11.26, using settings 'websiteku.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

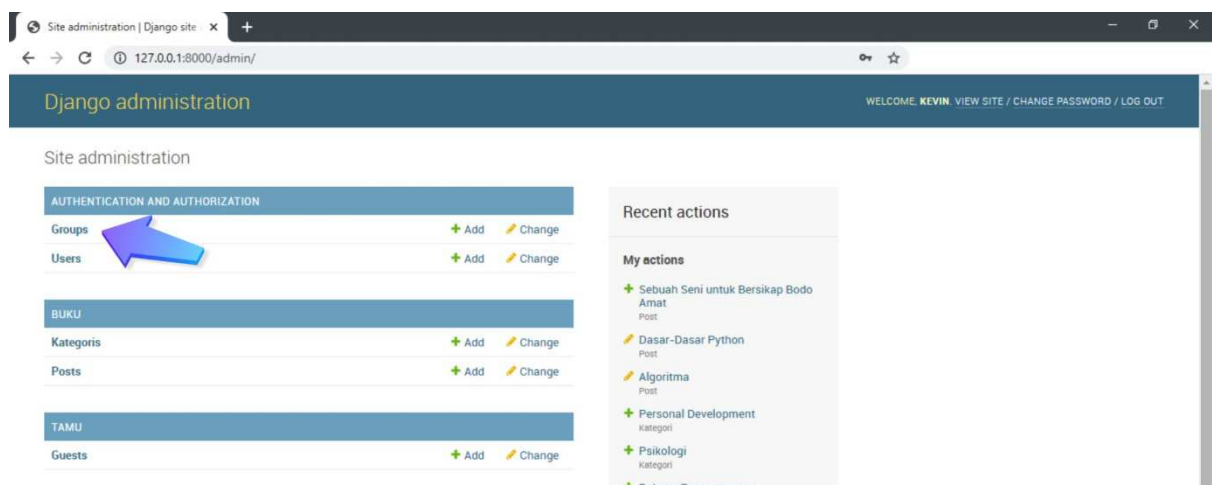
Gambar 178 Running server

## 2. Buka & Login ke Halaman Admin.



**Gambar 179** Login

## 3. Klik Groups.



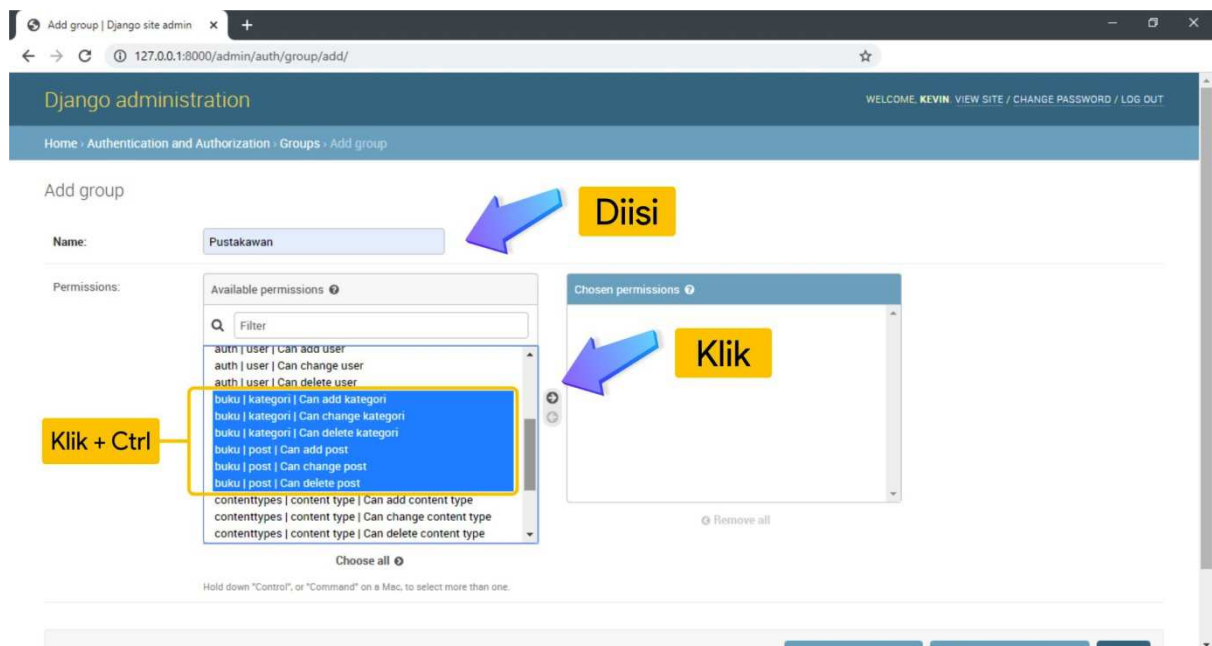
**Gambar 180** Halaman Admin

## 4. Klik Add Groups.



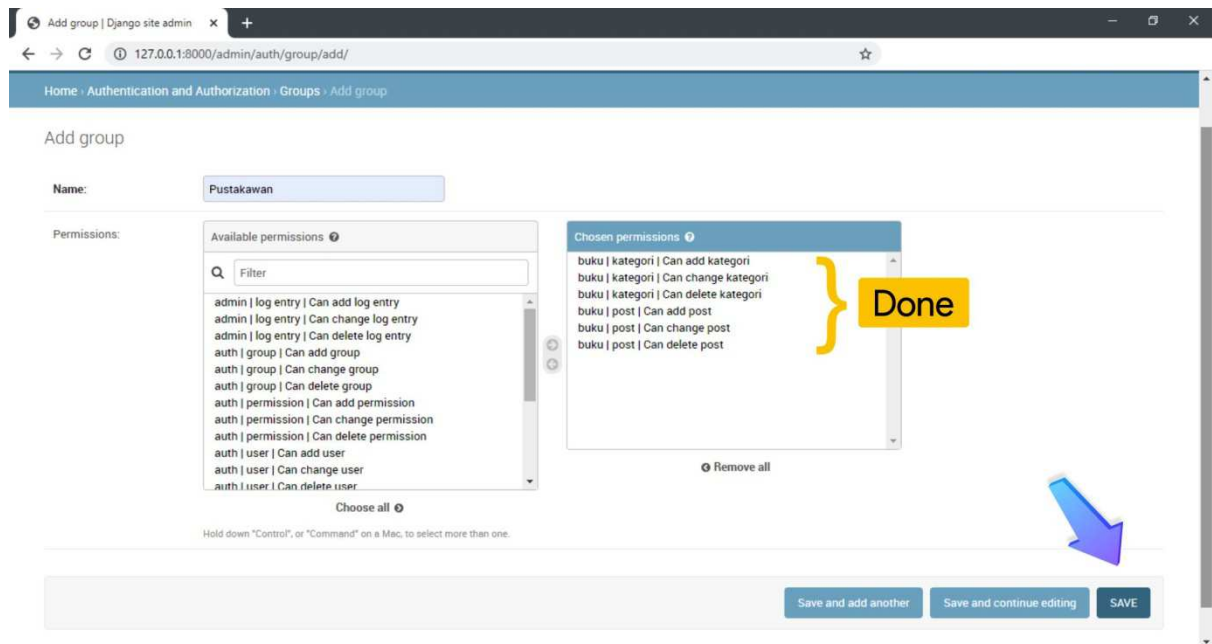
**Gambar 181** Halaman Group

## 5. Isi nama Group Pustakawan, kemudian pilih Permissions seperti gambar di bawah.



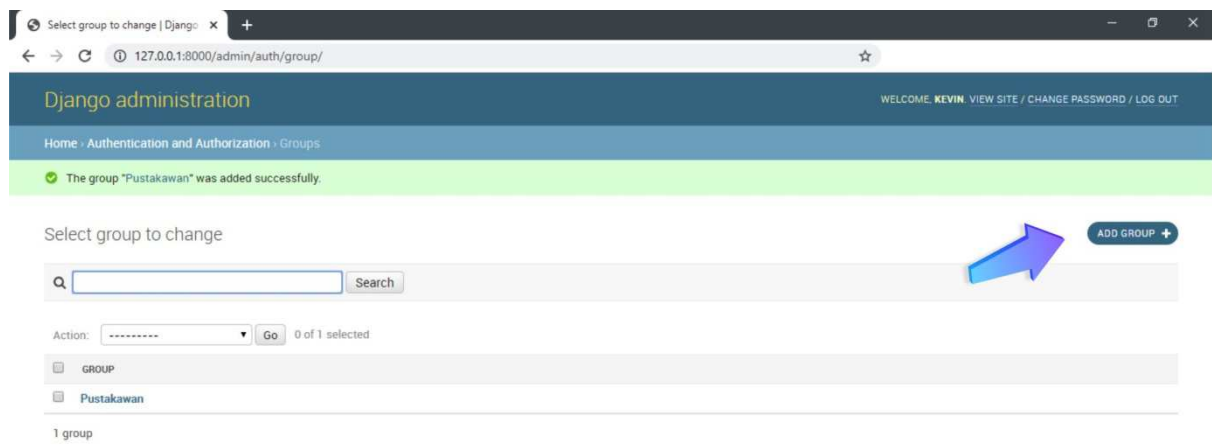
**Gambar 182** Pengaturan Group

## 6. Simpan pengaturan group.



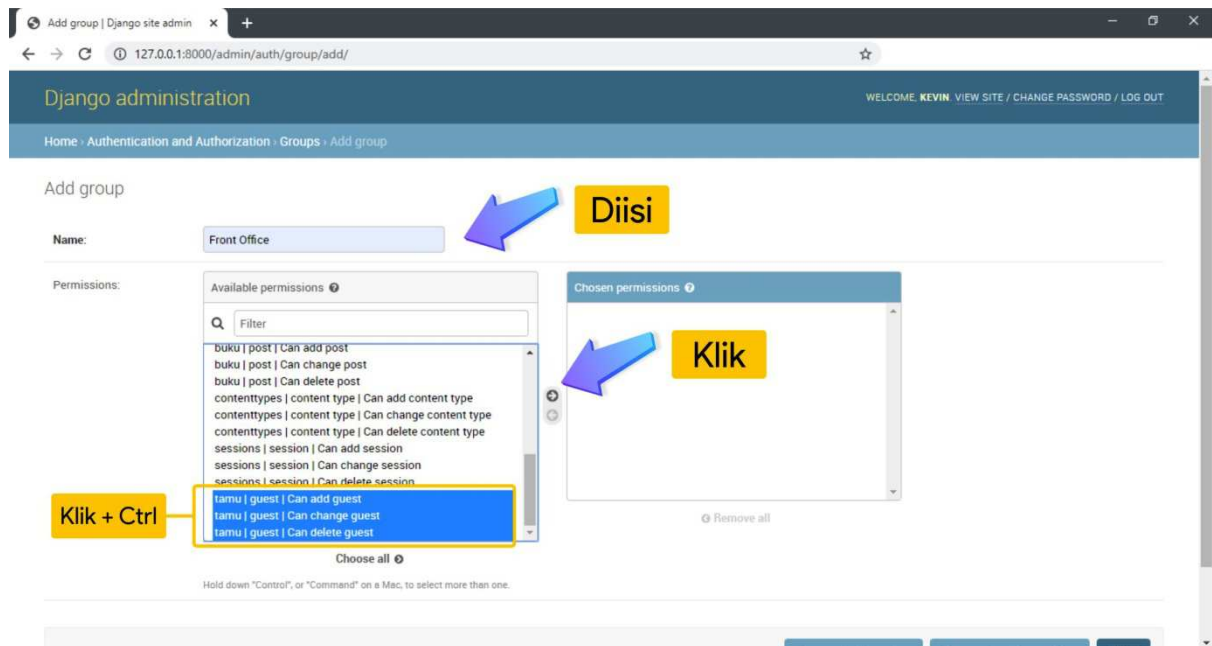
**Gambar 183** Simpan Pengaturan Group

## 7. Klik Add Groups.



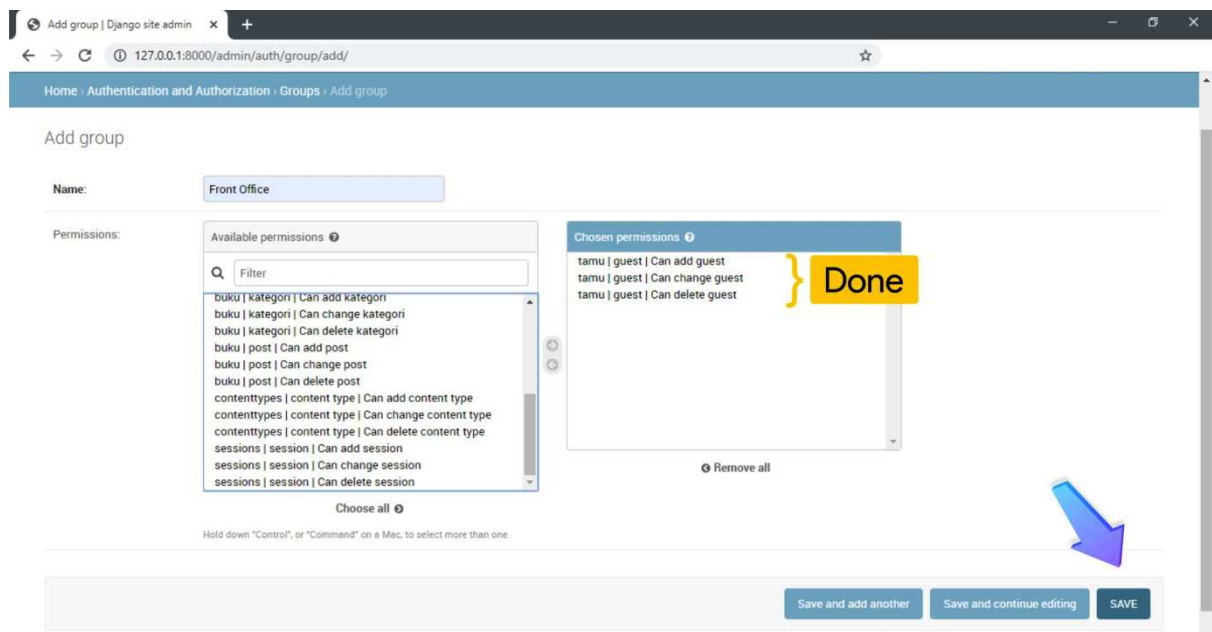
**Gambar 184** Halaman Group

8. Isi nama **Group Front Office**, kemudian pilih **Permissions** seperti gambar di bawah.



**Gambar 185** Pengaturan Group

9. Simpan pengaturan group.



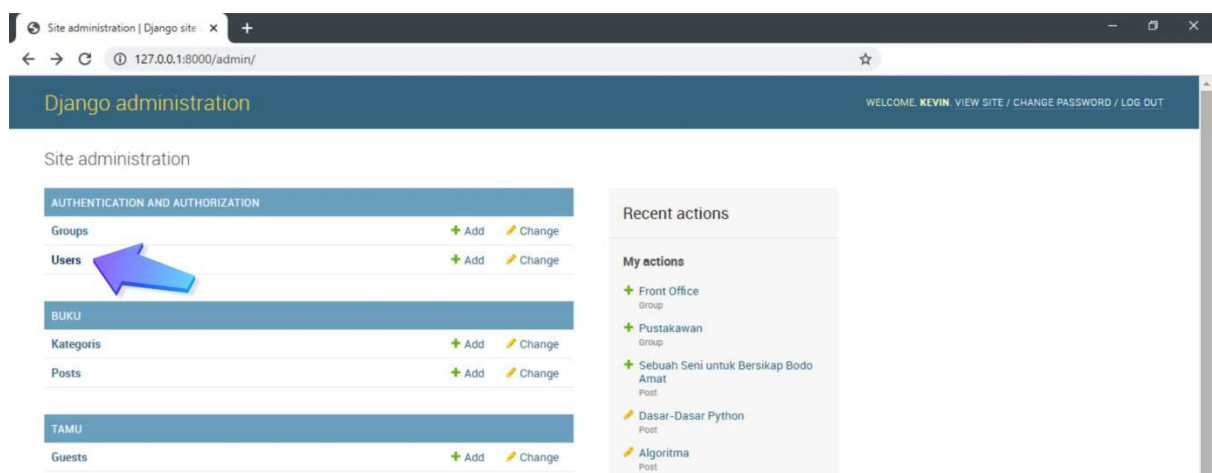
**Gambar 186** Simpan Pengaturan Group

## 10. Penambahan Group selesai.



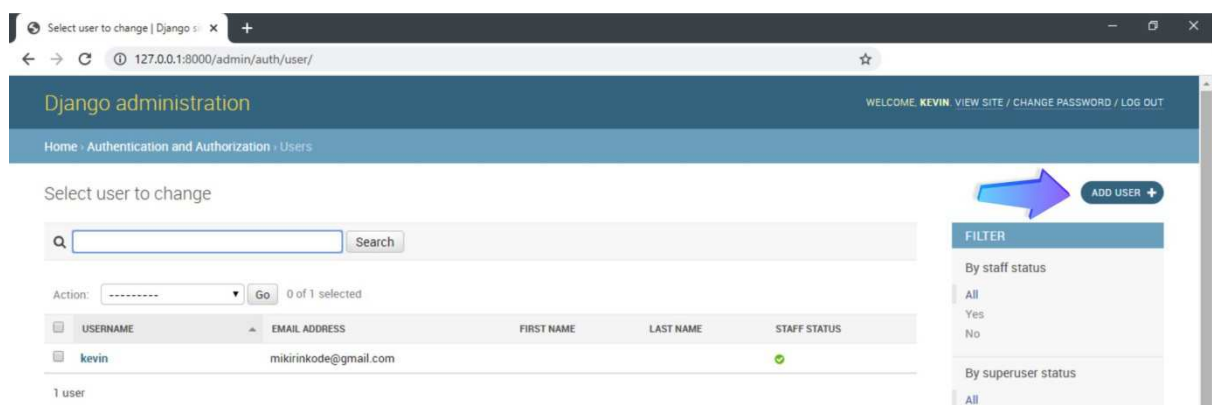
**Gambar 187** Halaman Group

## 11. Klik Users pada Halaman Admin.



**Gambar 188** Halaman Admin

## 12. Klik Add User pada Halaman Users.



**Gambar 189** Halaman Users



13. Isi Username dan Password, lalu klik Save.

Django administration

Home · Authentication and Authorization · Users · Add user

Add user

First, enter a username and password. Then, you'll be able to edit more user options.

Username:  **Diisi**

Required: 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

Password:  **Password : che12345**

Your password can't be too similar to your other personal information.  
Your password must contain at least 8 characters.  
Your password can't be a commonly used password.  
Your password can't be entirely numeric.

Password confirmation:

Enter the same password as before, for verification.

**Gambar 190** Pengaturan Users

14. Atur seperti gambar di bawah.

Change user | Django site admin

127.0.0.1:8000/admin/auth/user/2/change/

Permissions

☒ Active  
Designates whether this user is active. Unselecting removes the user's ability to log in and retain any data, but deleting accounts.

☒ Staff status  
Designates whether the user can log into this admin site.

☐ Superuser status  
Designates that this user has all permissions without explicitly assigning them.

Groups:

Available groups

Filter

**Pilih**

Front Office  
Pustakawan

Chosen groups

**Klik**

Remove all

Choose all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

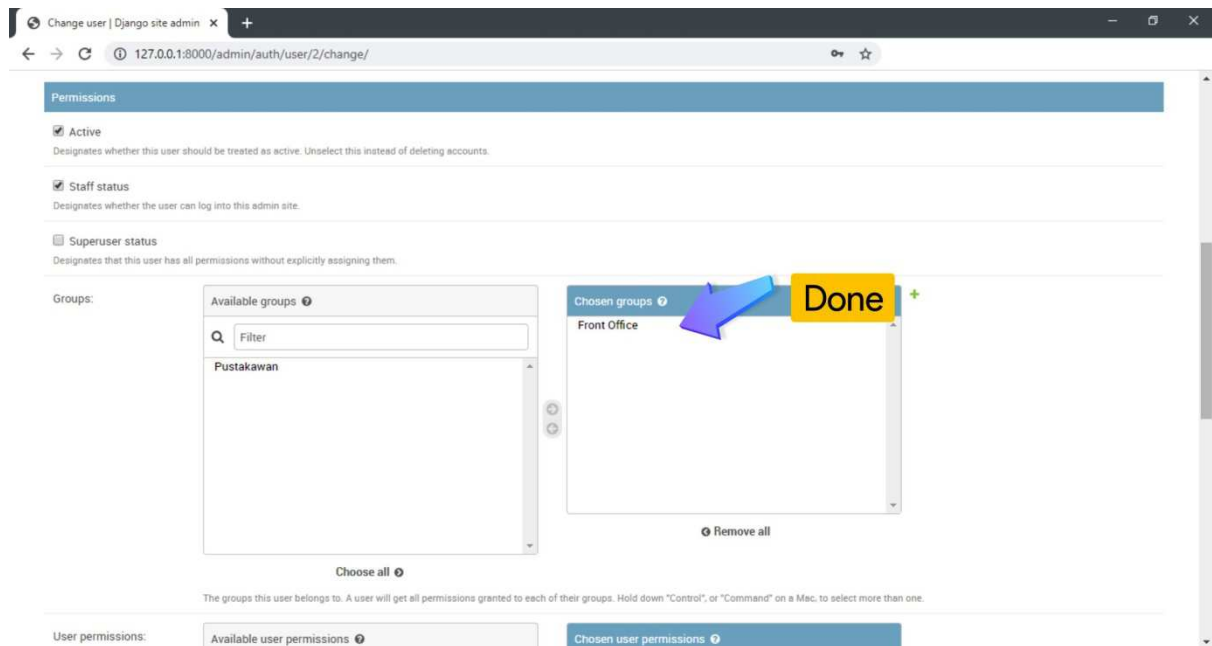
127.0.0.1:8000/admin/auth/user/2/change/# available user permissions

Chosen user permissions

**Gambar 191** Pengaturan Users

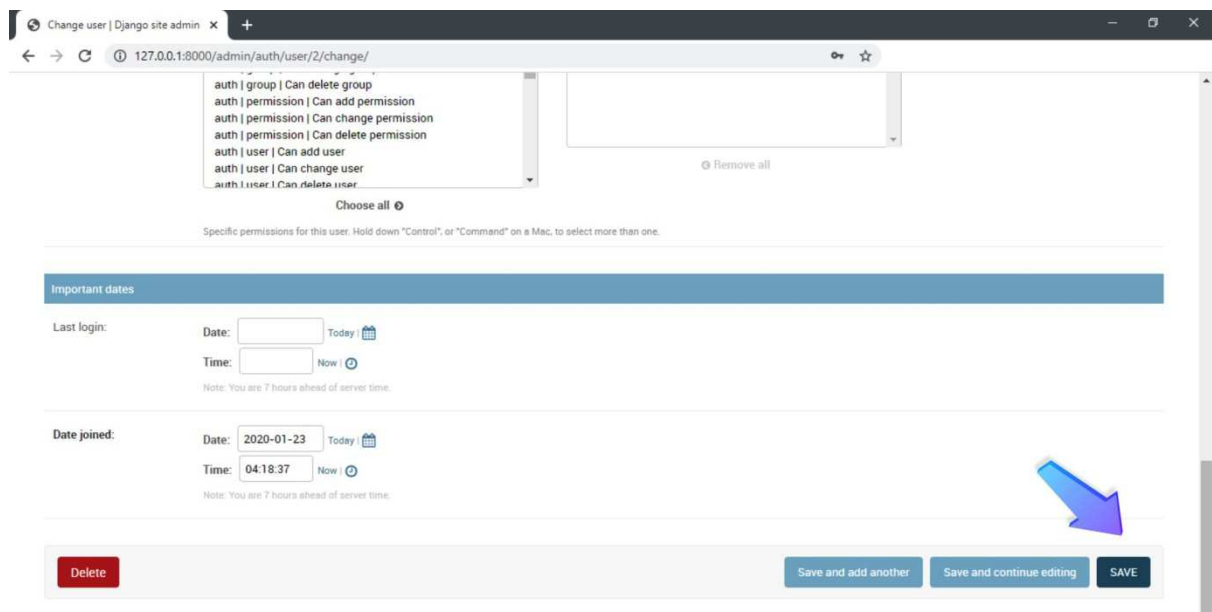


## 15. Front Office pindah ke kolom Chosen groups.



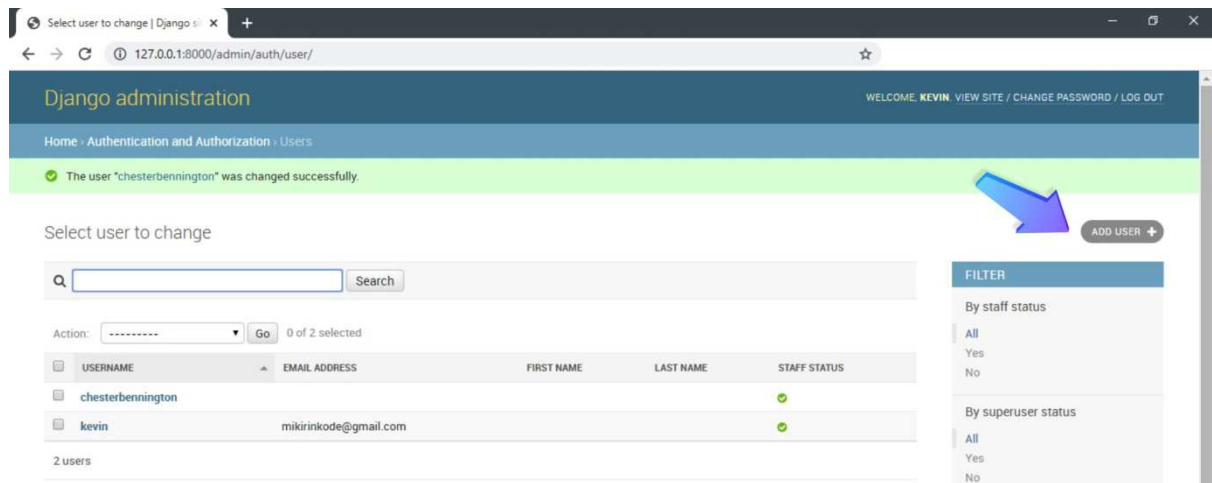
**Gambar 192** Pengaturan Users

## 16. Klik Save.



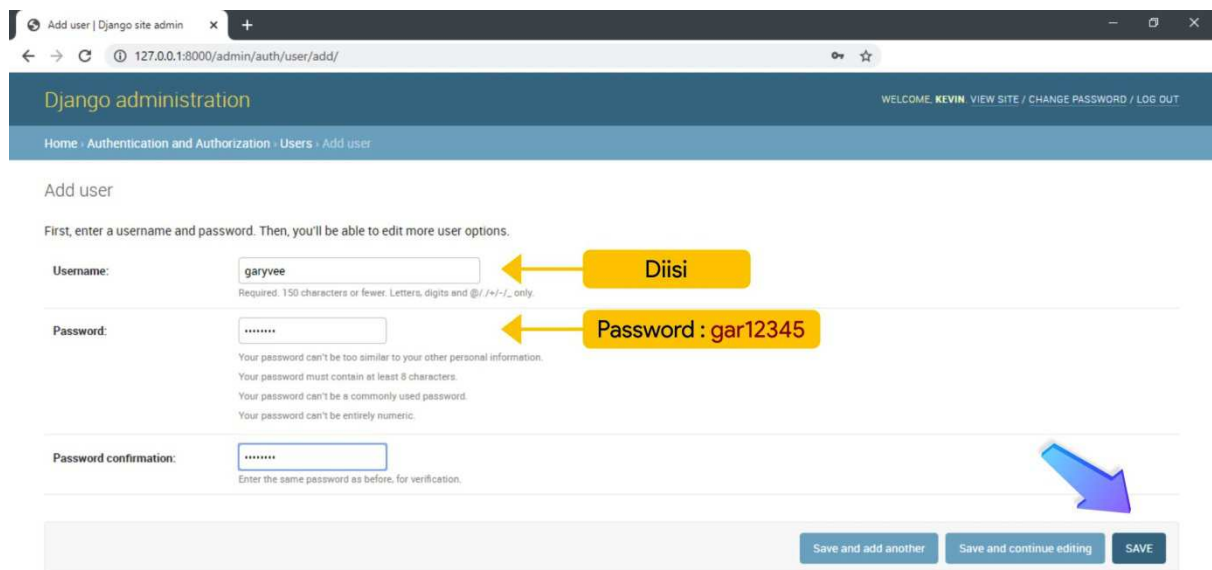
**Gambar 193** Pengaturan Users

## 17. Klik **Add User** pada **Halaman Users**.



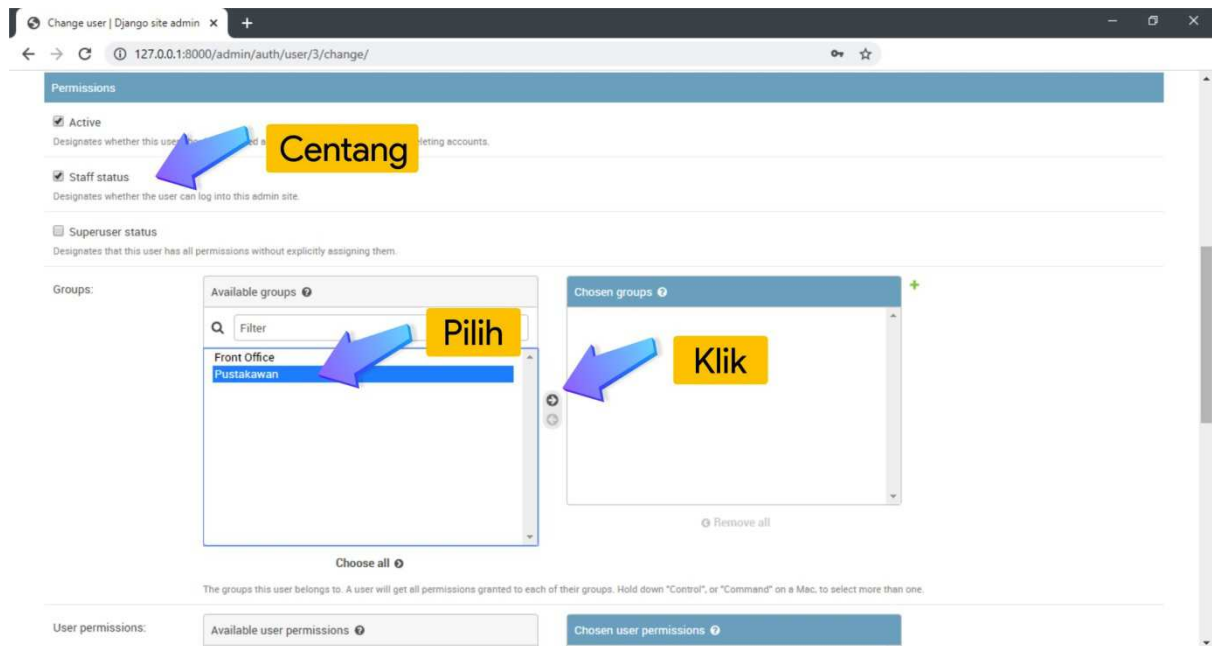
**Gambar 194** Halaman Users

## 18. Isi **Username** dan **Password**, lalu klik **Save**.



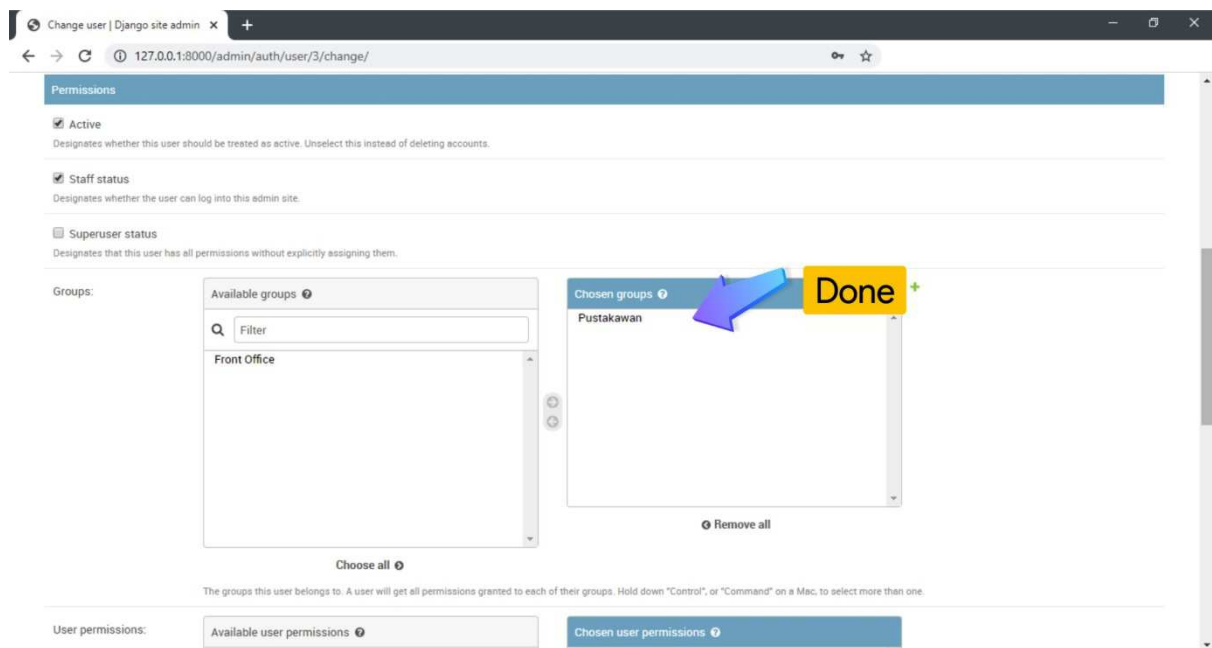
**Gambar 195** Pengaturan Users

19. Atur seperti gambar di bawah.



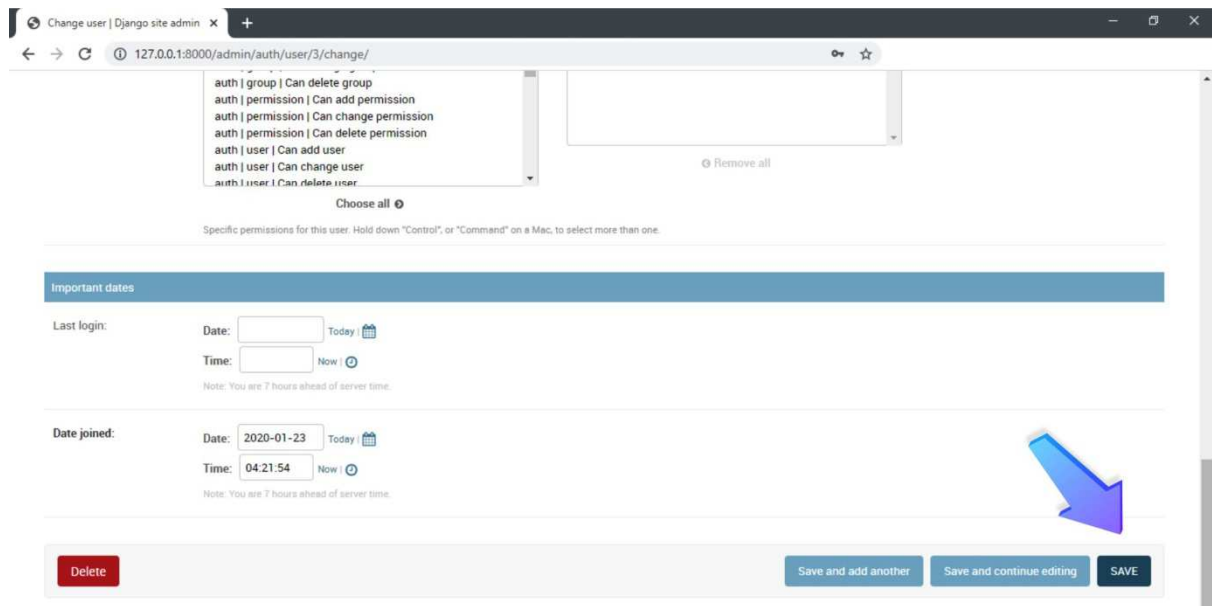
**Gambar 196** Pengaturan Users

20. **Pustakawan** pindah ke kolom **Chosen groups**.



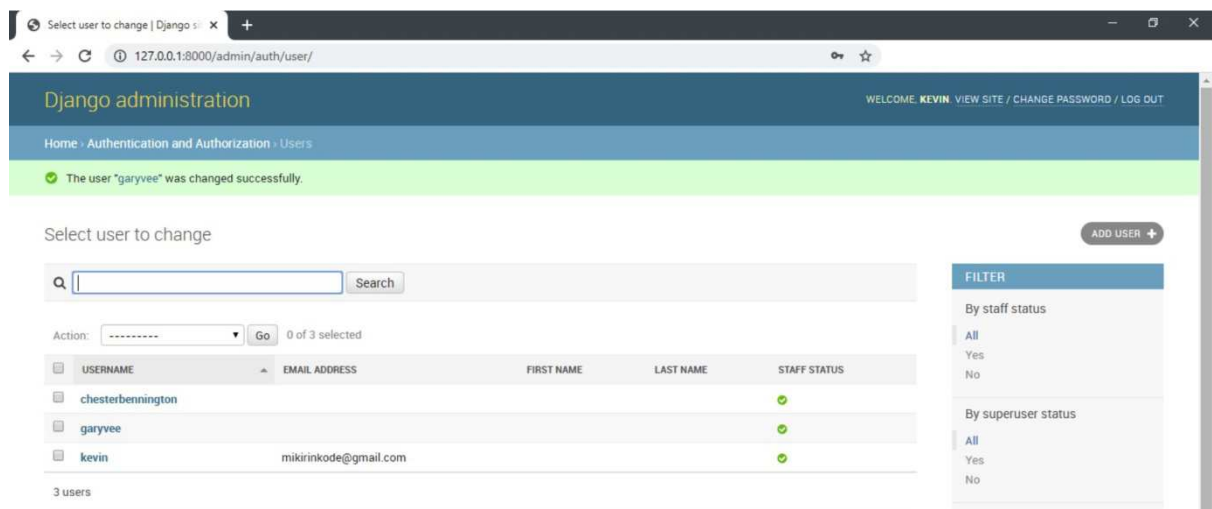
**Gambar 197** Pengaturan Users

## 21. Klik **Save**.



**Gambar 198** Pengaturan Users

## 22. Semua **Users** telah ditambahkan.



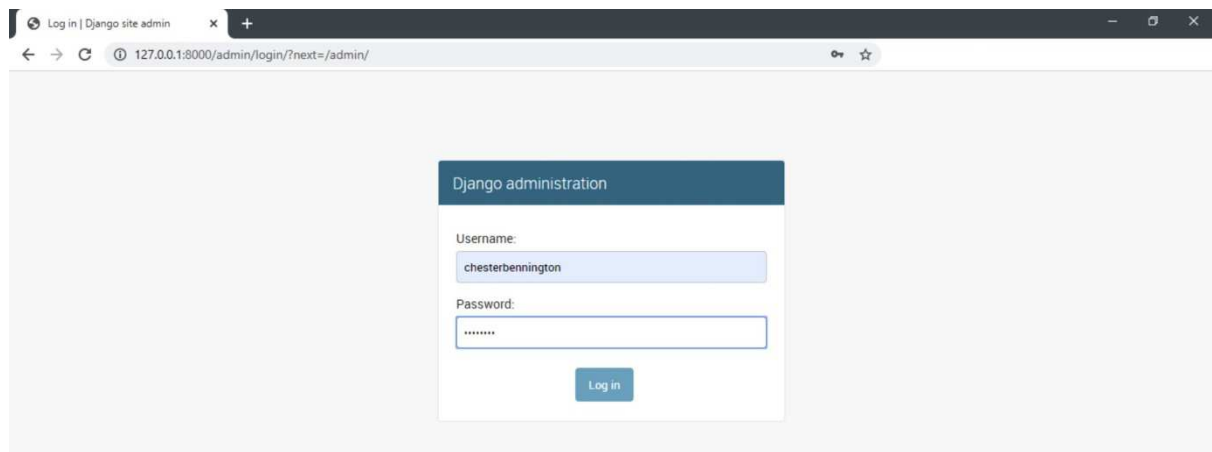
**Gambar 199** Halaman Users

## 23. Logout dari superuser.



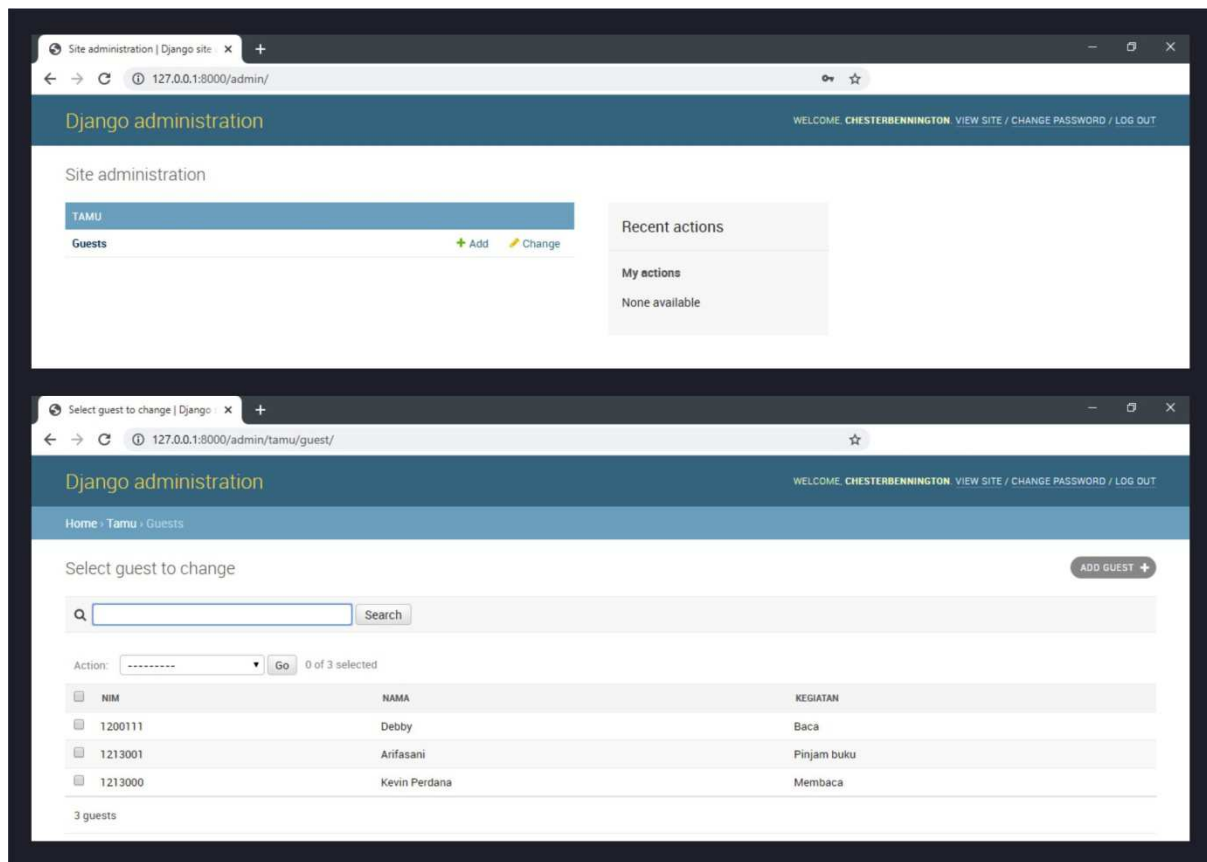
**Gambar 200 Logout**

## 24. Lakukan **Login** untuk user **chesterbennington**.



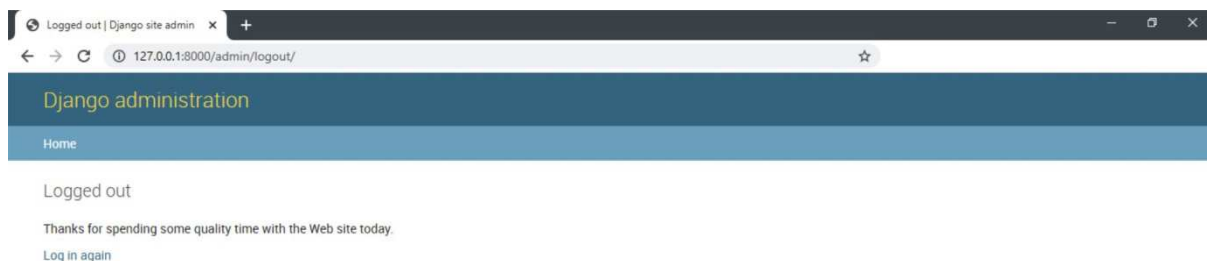
**Gambar 201 Login User chesterbennington**

## 25. Halaman Admin user **chesterbennington**.



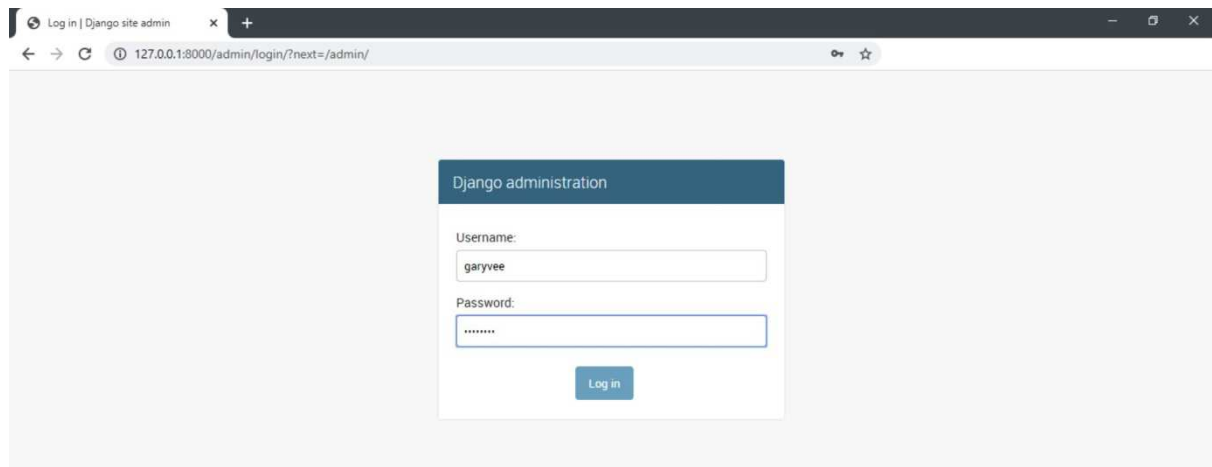
**Gambar 202** Halaman Admin User chesterbennington

## 26. Logout dari user **chesterbennington**.



**Gambar 203** Logout

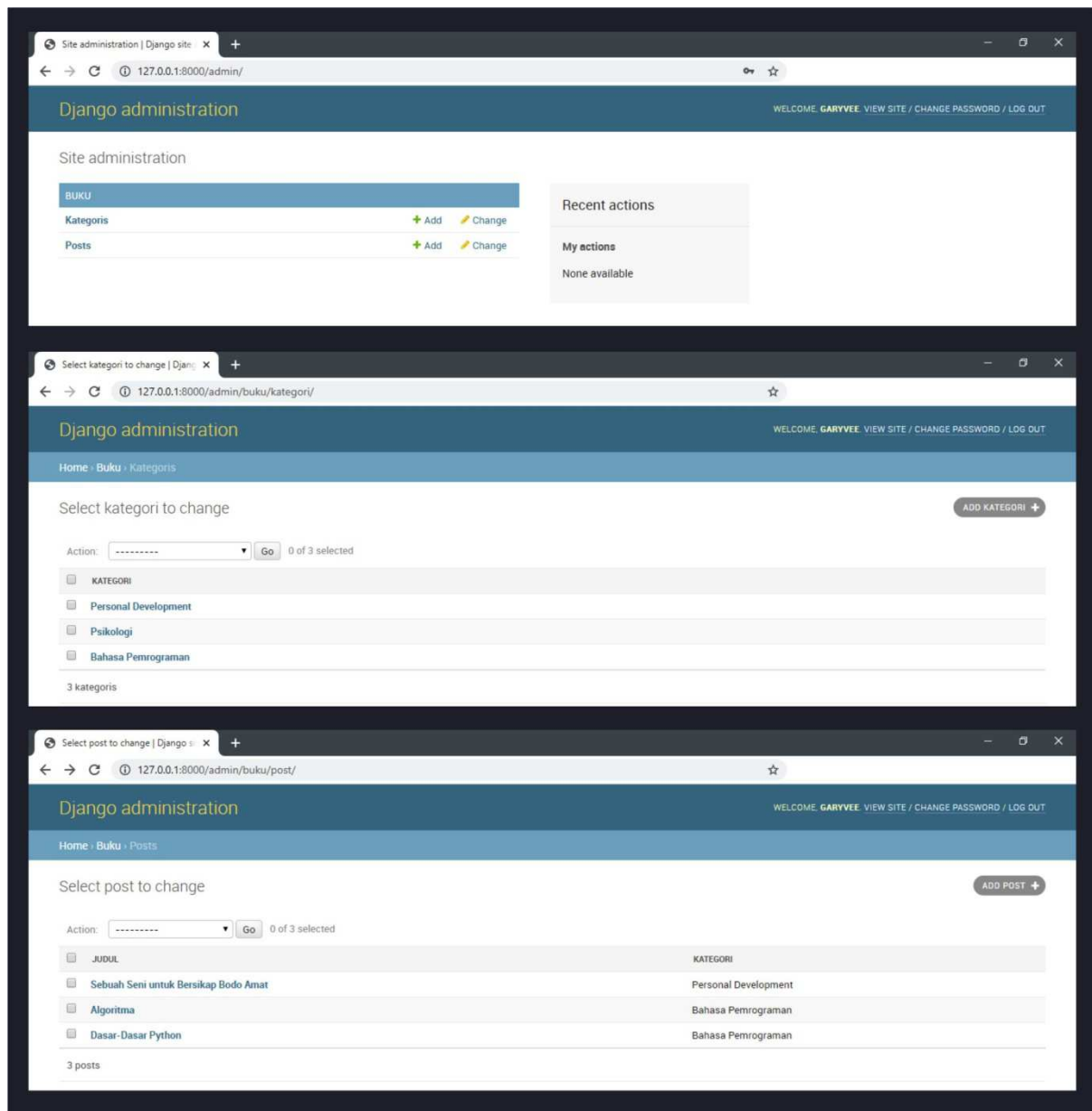
27. Lakukan **Login** untuk user **garyvee**.



**Gambar 204** Login User garyvee

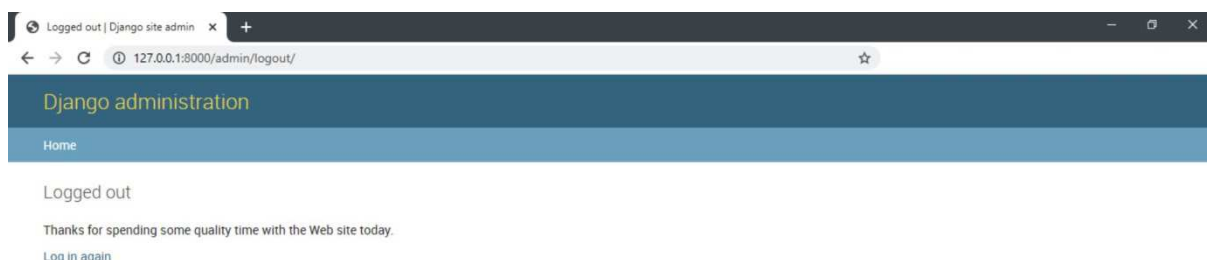


## 28. Halaman Admin user garyvee.



**Gambar 205** Halaman Admin User garyvee

## 29. Logout.



**Gambar 206** Logout

## Django Jet (Admin Styling)

### 13.1 Pendahuluan

Penjelasan tentang Django Jet.



## Admin Styling (Django Package)

Sebuah “Django-Packages” untuk membuat Django Admin terlihat berbeda.

### MACAM-MACAM ADMIN STYLING

PACKAGE	DIANGO-GRAPPELLI	DIANGO JET	DIANGO-MATERIAL	DIANGO-SUIT	DIANGO-ADMIN-BOOTSTRAPPED	JET ADMIN	DIANGO-ADMIN-TOOLS	DIANGO-SOLO	DIANGO-FLAT-THEME	DIANGO-ADMIN-INTERFACE	DIANGO-CRUD-ADMIN
Description	A jazzy skin for the Django Admin-interface (official repository).	Modern responsive template for the Django admin interface with improved functionality. We are proud to announce completely new Jet. Please ...	Material Design for Django	Modern theme for Django admin interface	A Django admin theme using Twitter Bootstrap. It doesn't need any kind of modification on your side, just add it ...	Jet Bridge (Universal) for Jet Admin - API-based Admin Panel Framework for your application	Extends the Django Admin to include a extensible dashboard and navigation menu	Helps working with singletons - things like global settings that you want to edit from the admin site.	A flat theme for Django admin interface. Modern, fresh, simple.	django's default admin interface made customizable by the admin itself popup windows replaced by modals.	django-crud-admin simple django app creates CRUD for faster prototyping
Category	App	App	App	App	App	Framework	App	App	App	App	App
# Using This	141	34	29	51	19	1	72	3	6	3	3
Python 3?	✓	✓	✓	✓	✓	✗	✓	✗	✓	✓	✗
Development Status	Production/Stable	Production/Stable	Production/Stable	Production/Stable	Production/Stable	Unknown	Beta	Unknown	Production/Stable	Production/Stable	n/a
Last updated	Dec 27, 2019, 6:56 a.m.	May 21, 2019, 6:57 a.m.	Jan 17, 2020, 9:19 a.m.	Jan 10, 2020, 10:34 a.m.	Dec 27, 2015, 1:54 p.m.	Jan 19, 2020, 6:51 a.m.	Jan 19, 2020, 5:42 a.m.	July 22, 2019, 7:13 a.m.	Oct 27, 2016, 5:51 a.m.	Jan 20, 2020, 10:37 a.m.	Oct 7, 2019, 10:37 a.m.
Version	2.13.3	1.0.8	1.6.0	0.2.28	2.5.7	0.6.4	0.9.0	1.1.3	1.1.4	0.12.0	n/a
Repo	Github	Github	Github	Github	Github	Github	Github	Github	Github	Github	Github
Commits											

Sumber : <https://djangopackages.org/grids/g/admin-styling/>

### WHY DJANGO JET?

- New fresh look
- Responsive mobile interface
- Useful admin home page
- Minimal template overriding

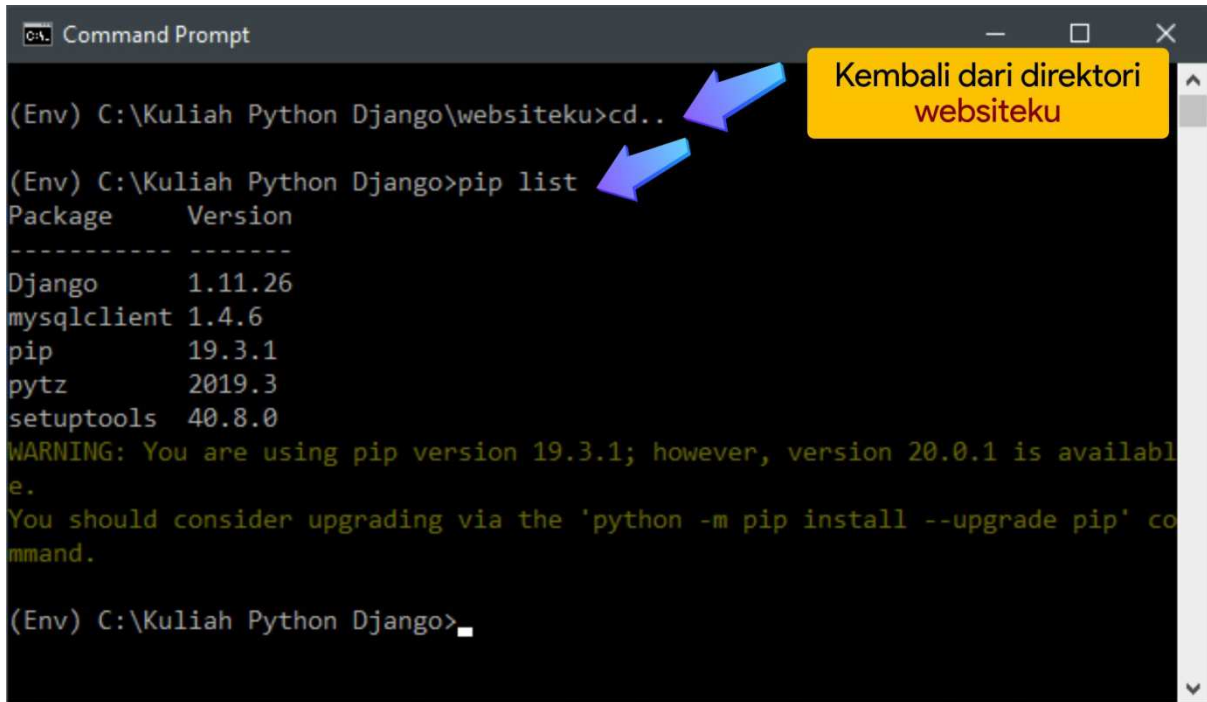
- Easy integration
- Themes support
- Autocompletion
- Handy controls

Sumber : <https://github.com/geex-arts/django-jet>

## 13.2 Implementasi

Ikuti langkah-langkah di bawah ini.

1. Buka cmd, kembali ke **Virtual Environment**, kemudian **pip list**. Apabila **pip** meminta update, lakukan update terlebih dahulu.



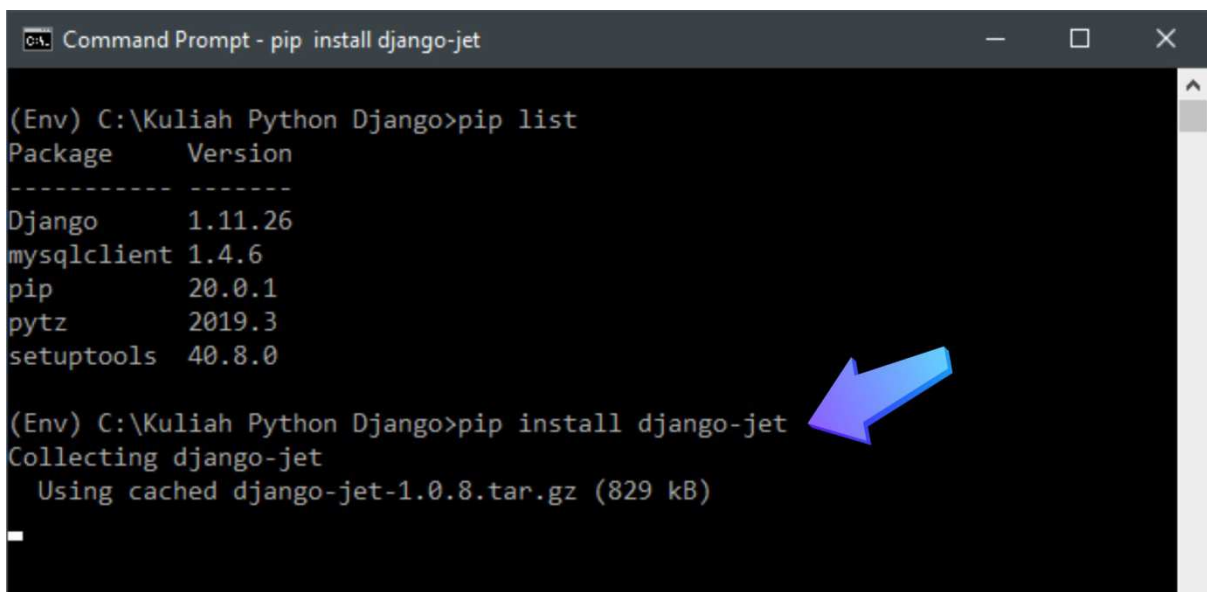
```
(Env) C:\Kuliah Python Django\websiteku>cd..

(Env) C:\Kuliah Python Django>pip list
Package      Version
-----
Django       1.11.26
mysqlclient  1.4.6
pip          19.3.1
pytz         2019.3
setuptools   40.8.0
WARNING: You are using pip version 19.3.1; however, version 20.0.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

(Env) C:\Kuliah Python Django>
```

Gambar 207 pip list

2. Pada cmd, ketik **pip install django-jet**.



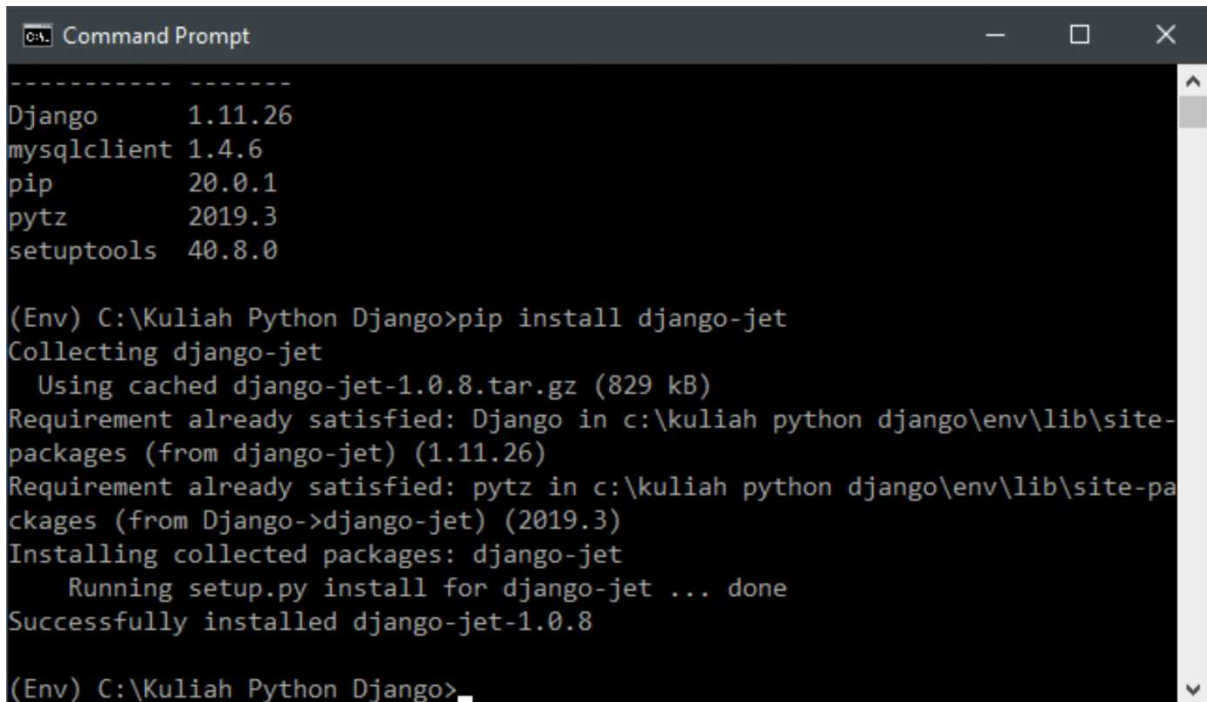
```
(Env) C:\Kuliah Python Django>pip list
Package      Version
-----
Django       1.11.26
mysqlclient  1.4.6
pip          20.0.1
pytz         2019.3
setuptools   40.8.0

(Env) C:\Kuliah Python Django>pip install django-jet
Collecting django-jet
  Using cached django-jet-1.0.8.tar.gz (829 kB)

```

Gambar 208 Instal Django Jet

3. Instalasi **Django Jet** selesai.



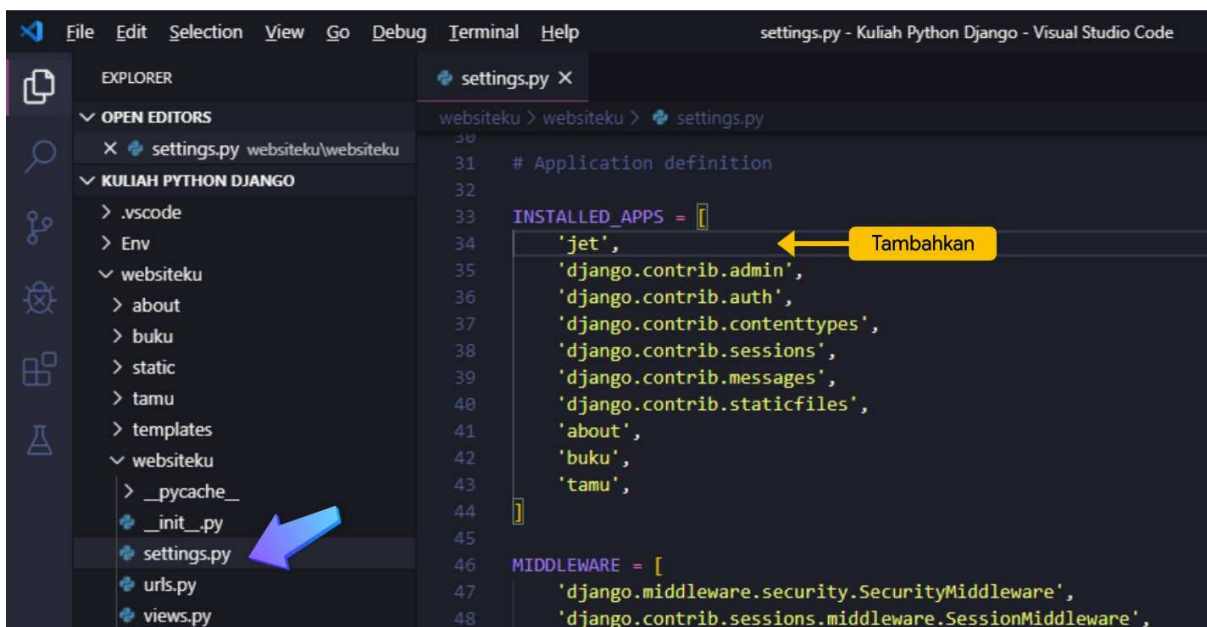
```
-----
Django      1.11.26
mysqlclient 1.4.6
pip         20.0.1
pytz       2019.3
setuptools  40.8.0

(Env) C:\Kuliah Python Django>pip install django-jet
Collecting django-jet
  Using cached django-jet-1.0.8.tar.gz (829 kB)
Requirement already satisfied: Django in c:\kuliah python django\env\lib\site-packages (from django-jet) (1.11.26)
Requirement already satisfied: pytz in c:\kuliah python django\env\lib\site-packages (from Django->django-jet) (2019.3)
Installing collected packages: django-jet
  Running setup.py install for django-jet ... done
Successfully installed django-jet-1.0.8

(Env) C:\Kuliah Python Django>
```

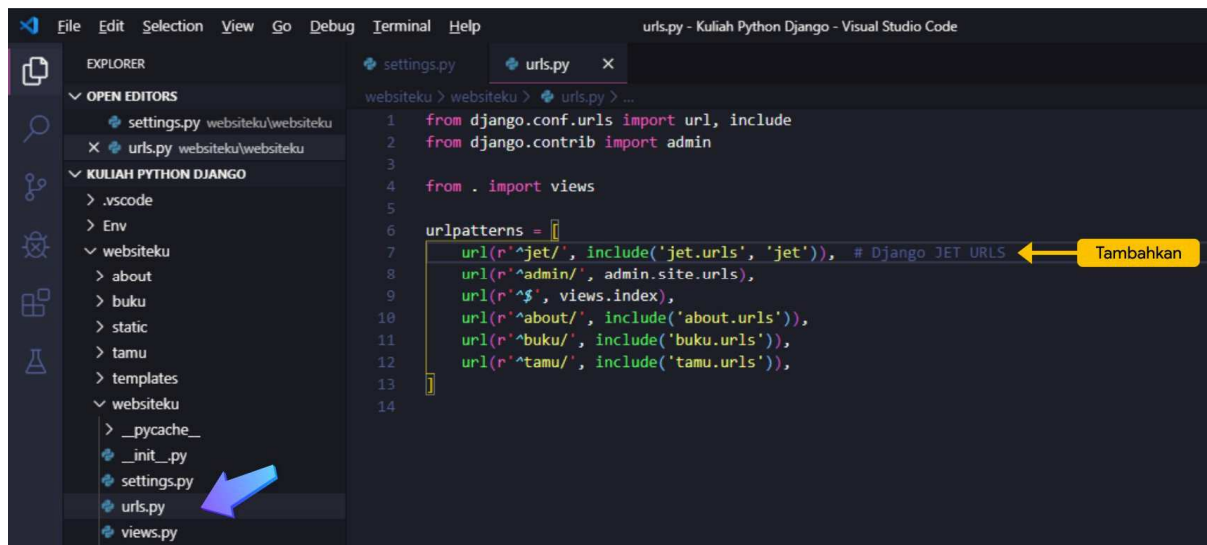
**Gambar 209** Instalasi Django Jet selesai

4. Pada **VSCode**, **Open Folder** kemudian buka file **settings.py** pada project directory. Sesuaikan kode seperti gambar di bawah.



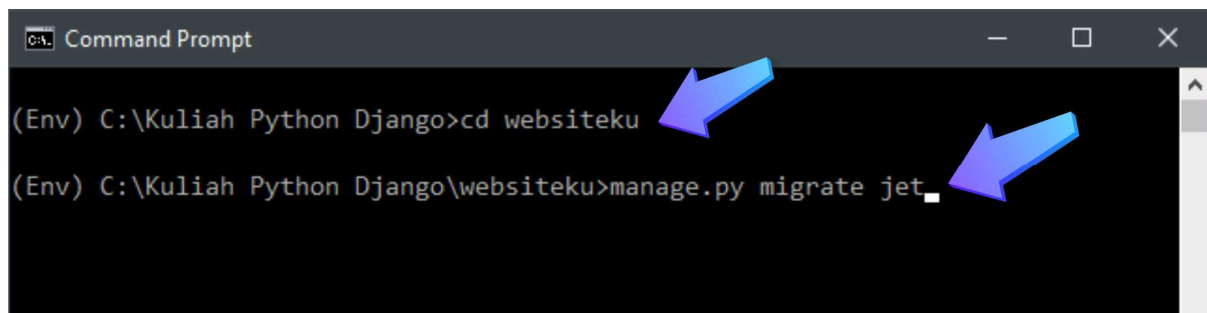
**Gambar 210** File settings.py

5. Buka file **urls.py** utama. Tambahkan kode seperti berikut.



Gambar 211 File urls.py

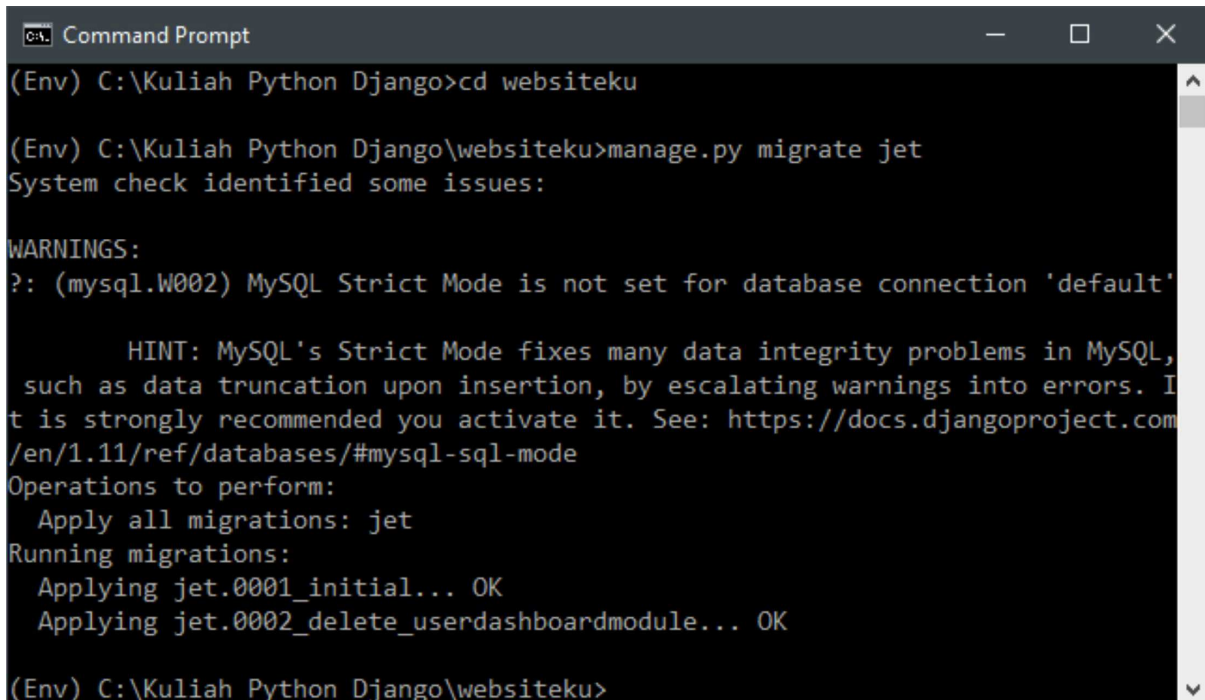
6. Kembali buka cmd, ketik **manage.py migrate jet**.



Gambar 212 migrate jet



## 7. Migrasi selesai.



```
(Env) C:\Kuliah Python Django>cd websiteku

(Env) C:\Kuliah Python Django\websiteku>manage.py migrate jet
System check identified some issues:

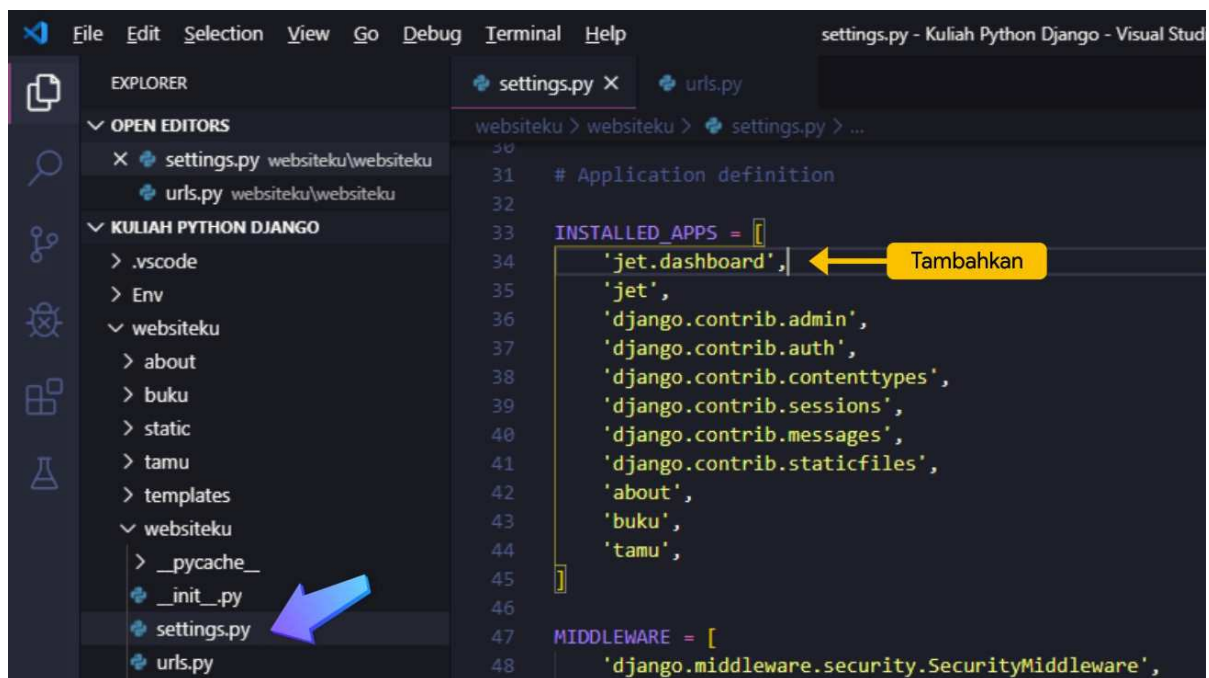
WARNINGS:
?: (mysql.W002) MySQL Strict Mode is not set for database connection 'default'

HINT: MySQL's Strict Mode fixes many data integrity problems in MySQL,
such as data truncation upon insertion, by escalating warnings into errors. It
is strongly recommended you activate it. See: https://docs.djangoproject.com
/en/1.11/ref/databases/#mysql-sql-mode
Operations to perform:
  Apply all migrations: jet
Running migrations:
  Applying jet.0001_initial... OK
  Applying jet.0002_delete_userdashboardmodule... OK

(Env) C:\Kuliah Python Django\websiteku>
```

Gambar 213 Migrasi selesai

## 8. Buka file **settings.py** pada project directory. Sesuaikan kode seperti gambar di bawah.

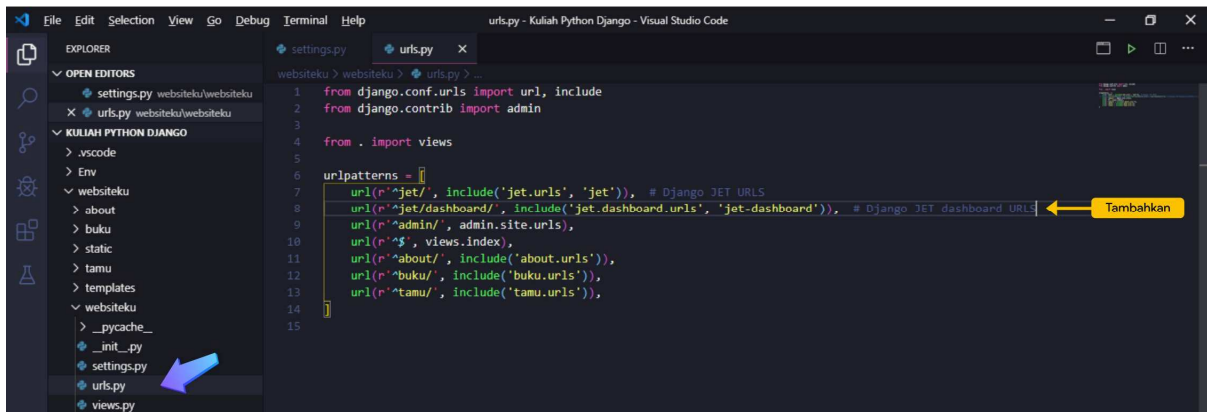


The screenshot shows the Visual Studio Code interface with the `settings.py` file open. The Explorer sidebar on the left shows the project structure, with `settings.py` highlighted under the `websiteku` directory. A blue arrow points to `settings.py` in the Explorer. The main editor shows the `INSTALLED_APPS` list, where `'jet.dashboard',` has been added at line 34. A yellow callout box with the text "Tambahkan" (Add) and an arrow points to this line. The `MIDDLEWARE` list at the bottom contains `'django.middleware.security.SecurityMiddleware',`.

```
30
31 # Application definition
32
33 INSTALLED_APPS = [
34     'jet.dashboard',
35     'jet',
36     'django.contrib.admin',
37     'django.contrib.auth',
38     'django.contrib.contenttypes',
39     'django.contrib.sessions',
40     'django.contrib.messages',
41     'django.contrib.staticfiles',
42     'about',
43     'buku',
44     'tamu',
45 ]
46
47 MIDDLEWARE = [
48     'django.middleware.security.SecurityMiddleware',
```

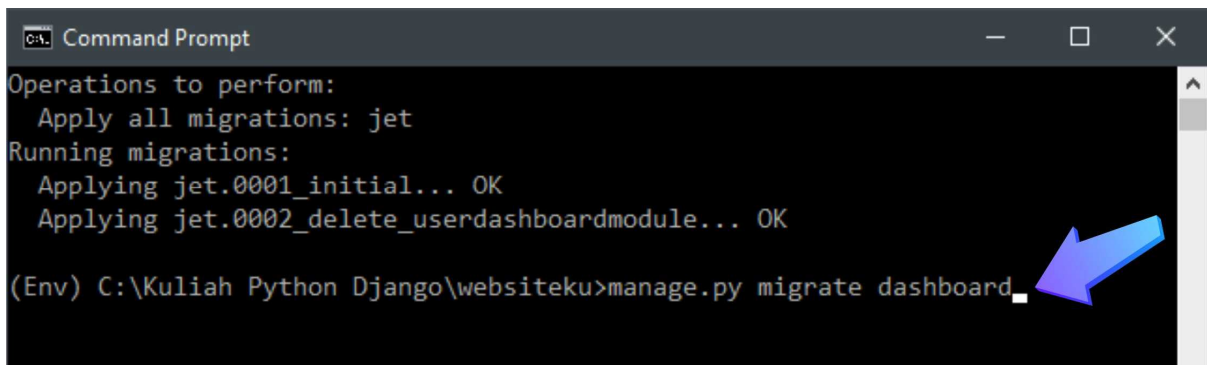
Gambar 214 File settings.py

9. Buka file **urls.py** utama. Tambahkan kode seperti berikut.



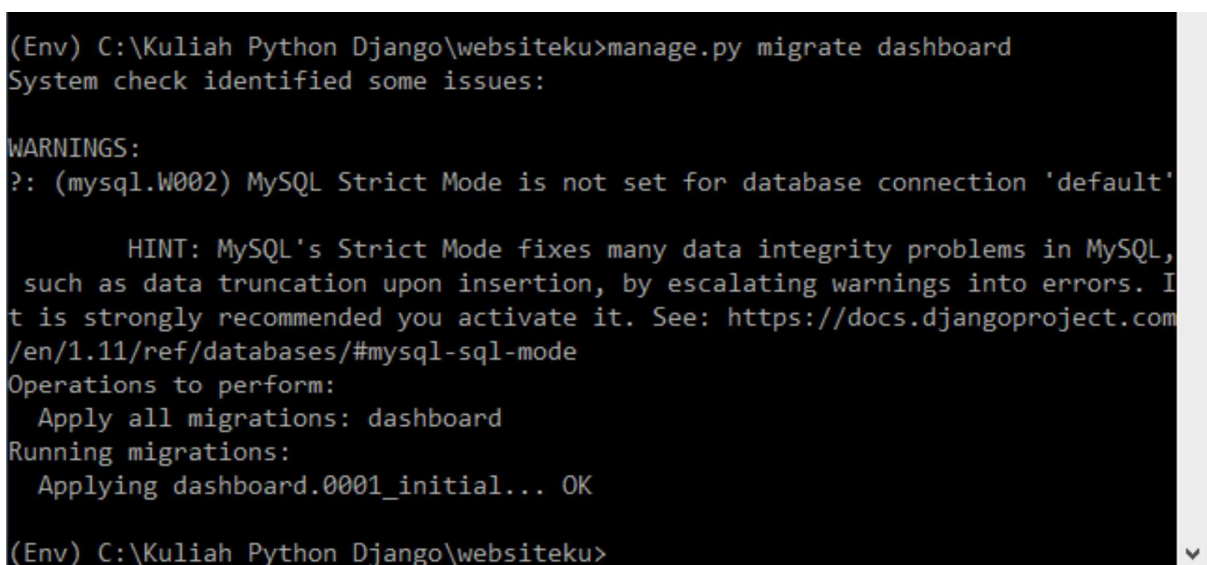
Gambar 215 File urls.py

10. Kembali buka cmd, ketik **manage.py migrate dashboard**.



Gambar 216 migrate dashboard

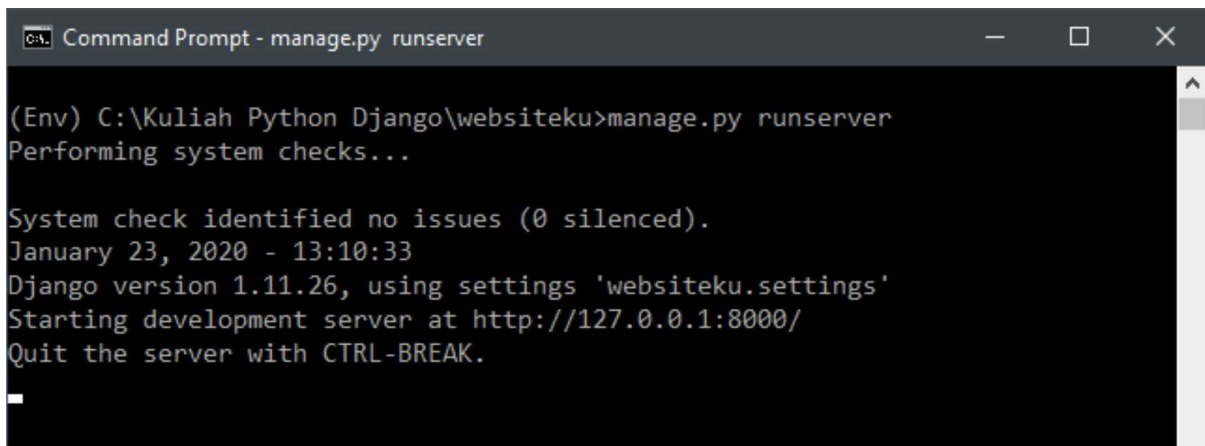
11. Migrasi selesai.



Gambar 217 Migrasi selesai



12. Lakukan runserver.

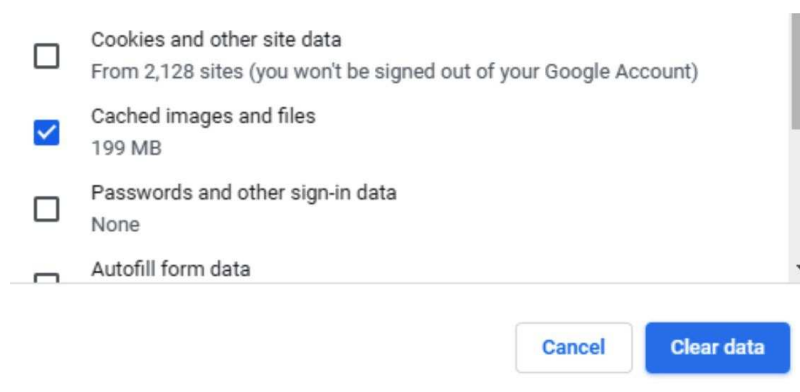


```
(Env) C:\Kuliah Python Django\websiteku>manage.py runserver
Performing system checks...

System check identified no issues (0 silenced).
January 23, 2020 - 13:10:33
Django version 1.11.26, using settings 'websiteku.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
_
```

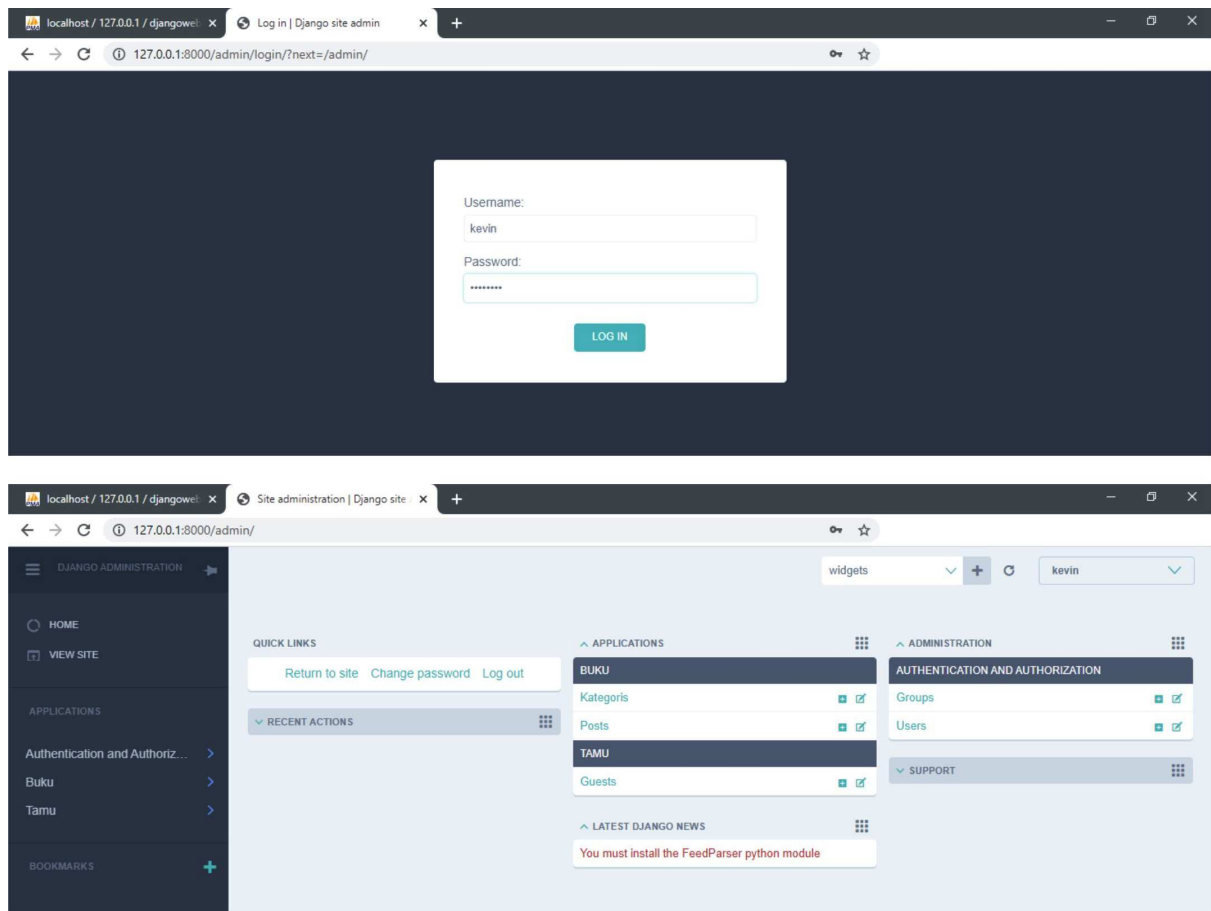
**Gambar 218** Runserver

13. Clear cache browser Anda.

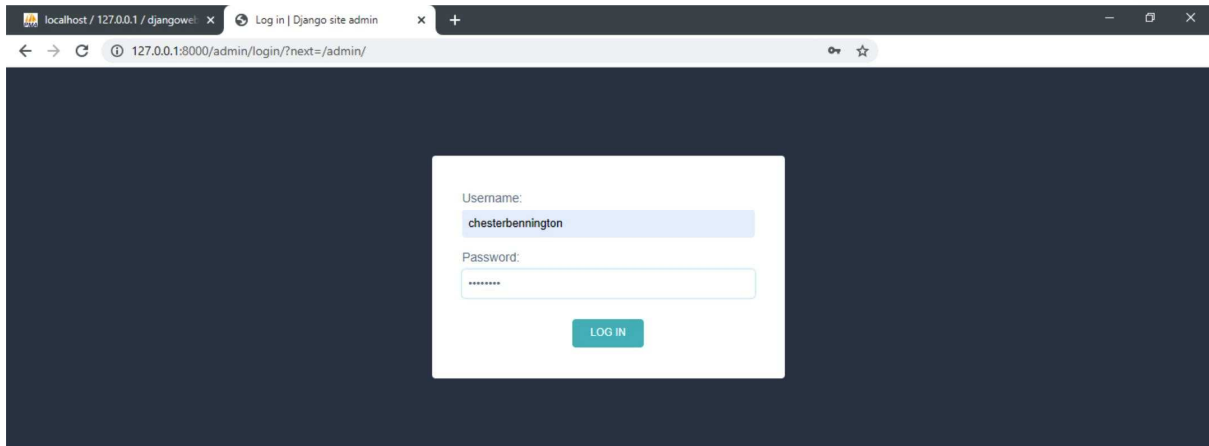


**Gambar 219** Clear cache

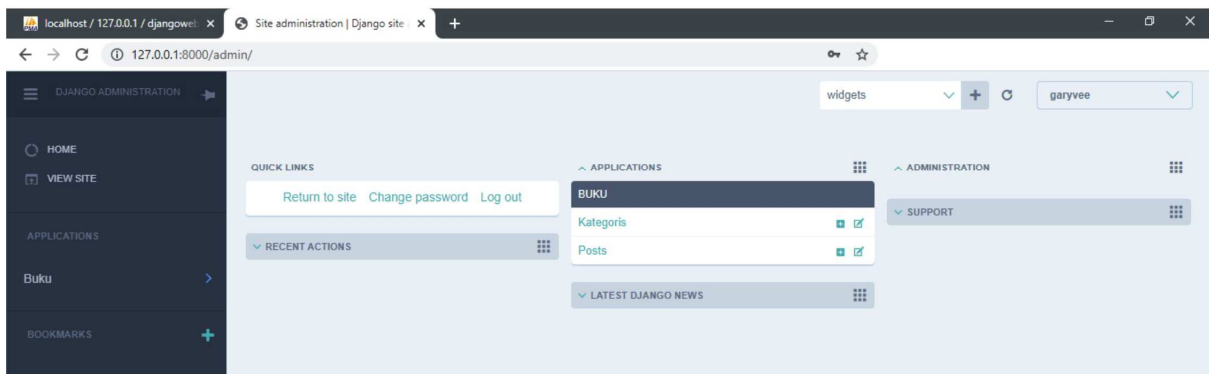
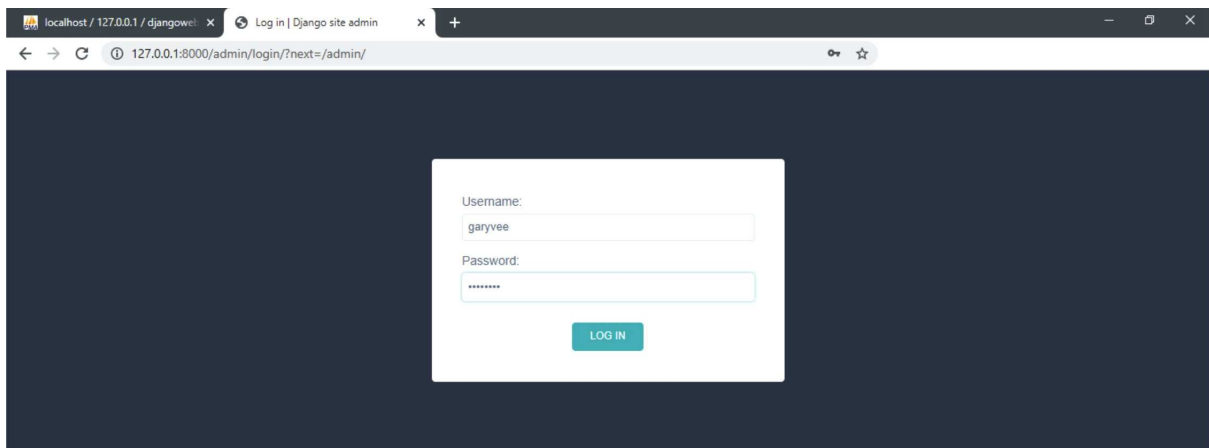
14. Lakukan login di semua user untuk mengecek tampilan Halaman Admin telah berubah. Buka di browser Anda : **<http://127.0.0.1:8000/admin/>**



**Gambar 220** Halaman Admin kevin



**Gambar 221** Halaman Admin chesterbennington



**Gambar 222** Halaman Admin garyvee