



# Materi SP Pemograman Web II

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# List Materi SP

- Struktur flask dan manajemen direktori menggunakan blueprint
- Menampilkan template pada flask
- Membuat database
- Menampilkan data pada website
- Membuat Form dan validasi
- CRUD

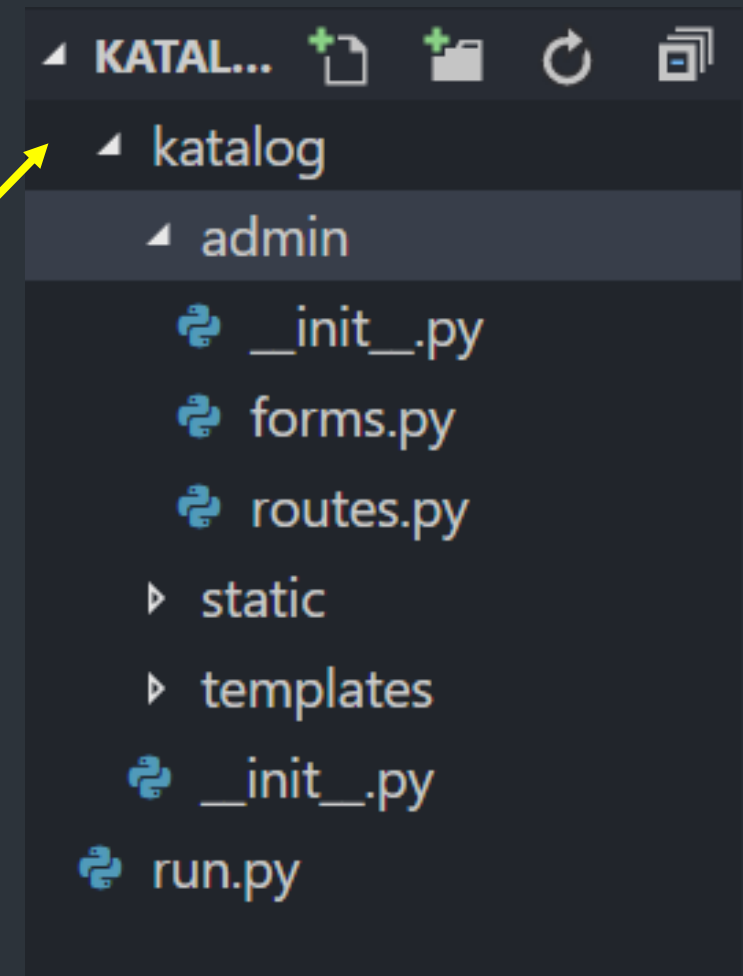
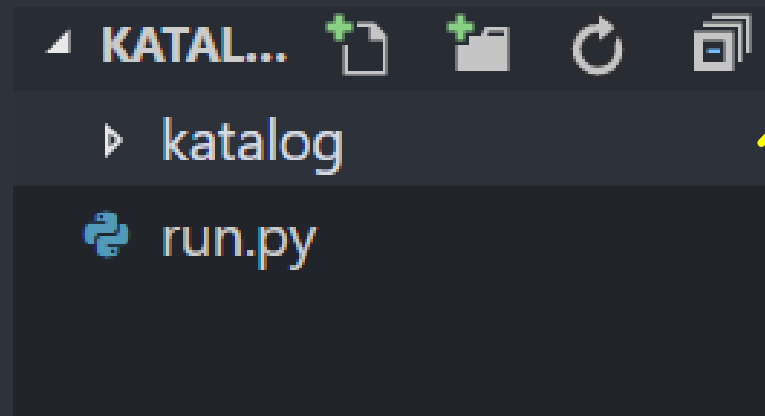
Studi kasus "KATALOG BUKU"

Terdiri dari 2 tabel yakni tabel jenis buku dan buku

## 1.Struktur flask dan manajemen direktori menggunakan blueprint

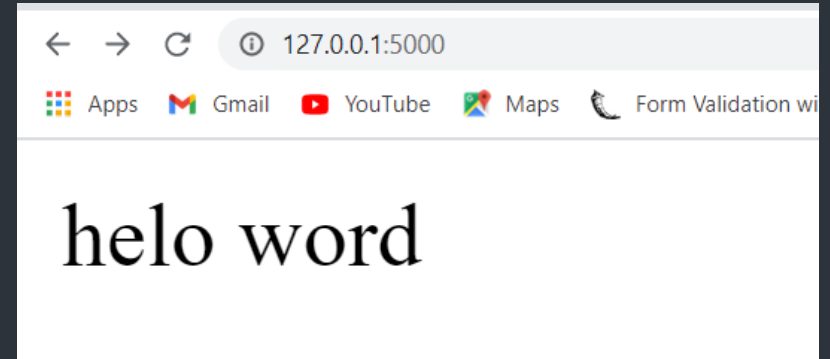
- Modul:
- Flask==1.1.1
- blueprint==3.4.2

Folder: katalogbuku



## Katalog-> \_\_init\_\_.py

```
1 from flask import Flask
2
3
4
5 app=Flask(__name__, template_folder='katalog/templates', static_folder='katalog/static')
6 app.config['SECRET_KEY']="gamariamandar"
7
8
9
10 #registari bluprint
11 from katalog.admin.routes import radmin
12 app.register_blueprint(radmin)
```



## admin-> routes.py

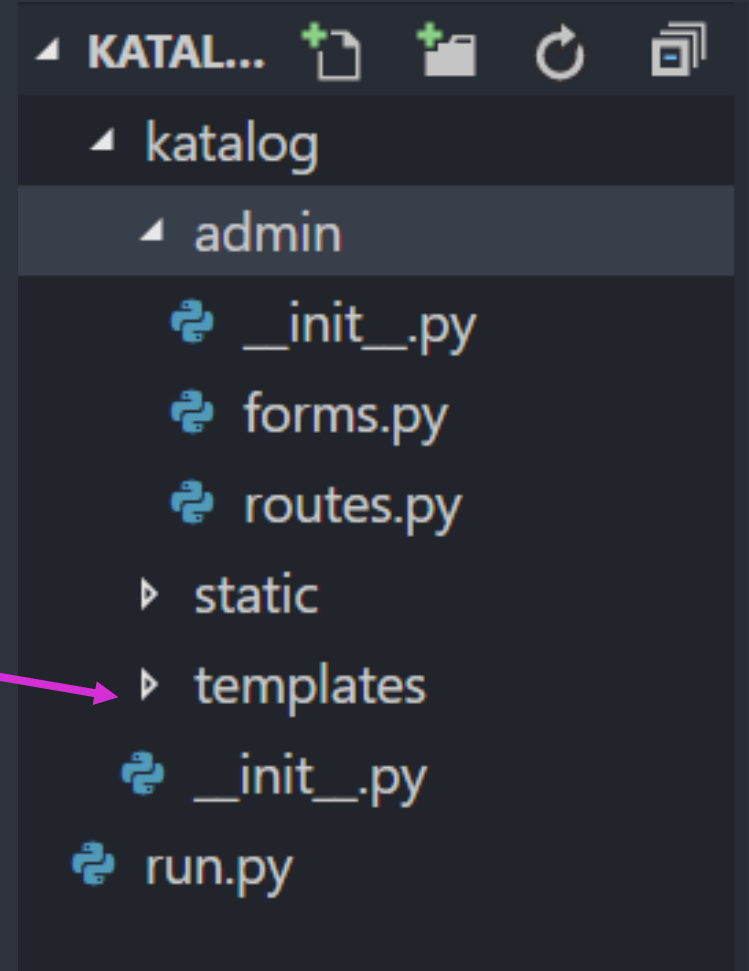
```
1 from flask import Flask, Blueprint
2 from katalog import app
3
4
5 #penamabaan bluprint admin
6 radmin= Blueprint('radmin', __name__)
7
8 @radmin.route("/")
9 def home():
10     return "helo word"
```

## run.py

```
1 from katalog import app
2
3
4 if __name__ == "__main__":
5     app.run(debug=True)
6
```

## 2. Menampilkan template pada flask

```
1 from flask import Flask, Blueprint, render_template
2 from katalog import app
3
4
5 #penamabaaan bluprint admin
6 radmin= Blueprint('radmin',__name__)
7
8 @radmin.route("/")
9 def home():
10     return render_template ("index.html")
```



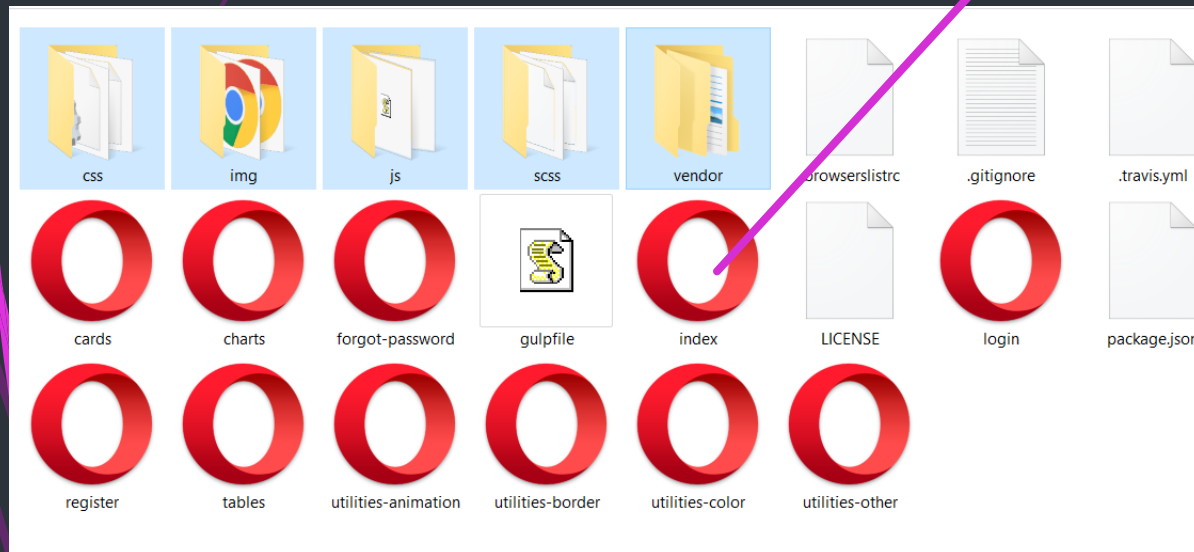
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <meta http-equiv="X-UA-Compatible" content="ie=edge">
7   <title>Document</title>
8 </head>
9 <body>
10  <h1>Selamat Datang Di Toko Buku Gratis</h1>
11  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Do
12
13 </body>
14 </html>
```



# Aplikasikan → template startbootstrap-sb-admin-2

1. Download file sb-admin2

2. static-bostraps- 4folder dibawah ini



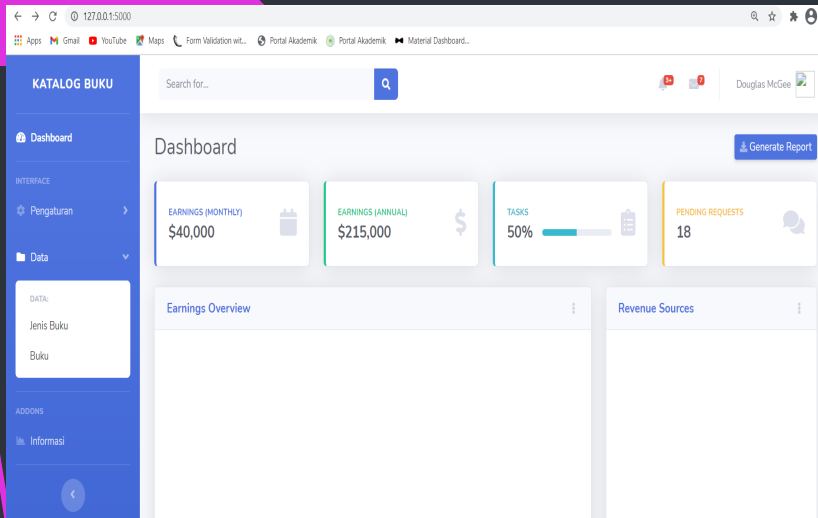
3.templates-index.html

4. Gunakan konsep jinja untuk menghubungkan CSS, JS, Gambar dll

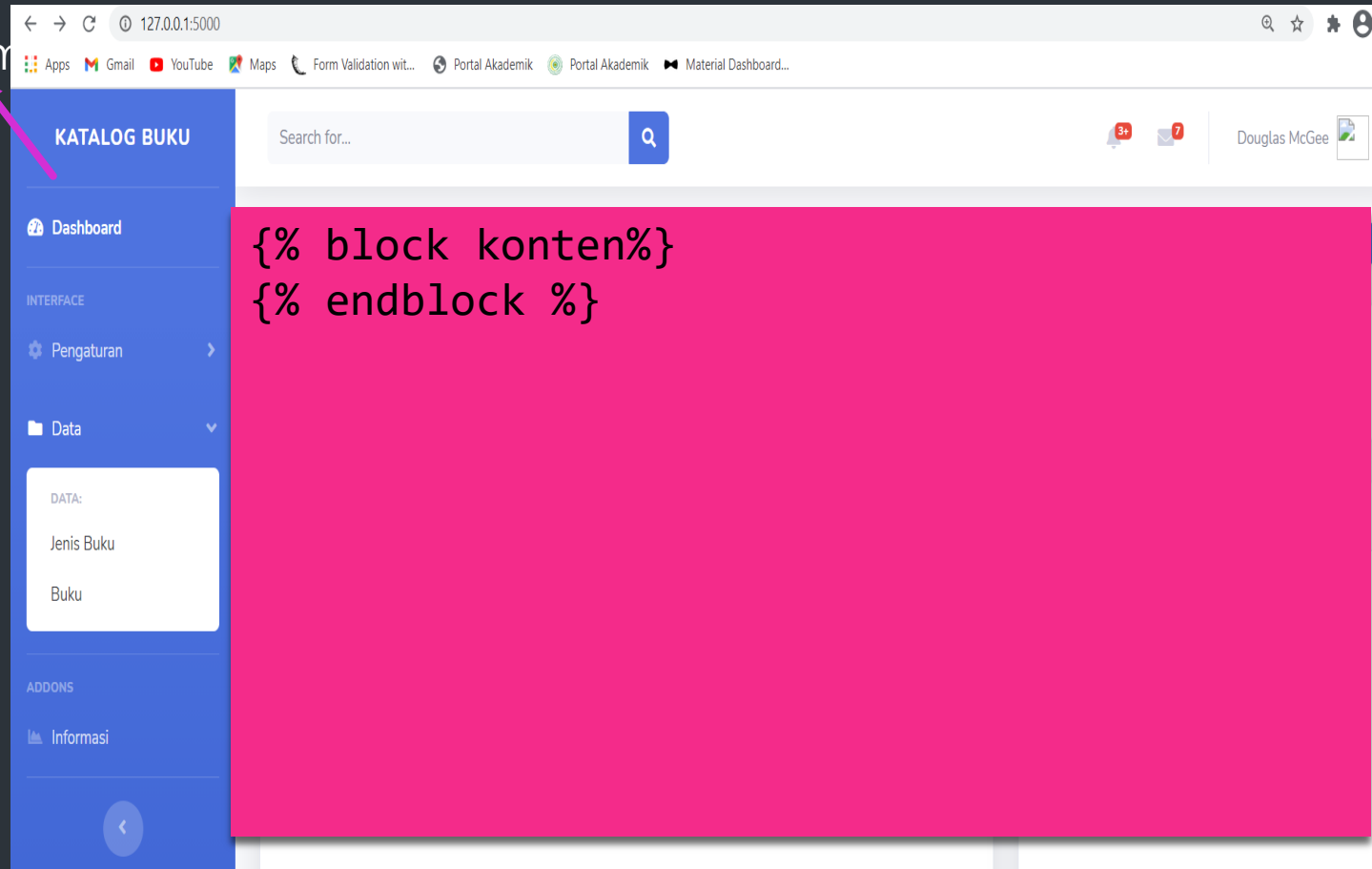
`<link href="css/sb-admin-2.min.css" rel="stylesheet">`

`<link href="{% url_for('static', filename='bostraps/css/sb-admin-2.min.css') %}" rel="stylesheet">`

# Konsep Extends



Base.html



admin-> routes.py

```

7
8 @admin.route("/")
9 def home():
10     return render_template("base.html")
11
12
13 @admin.route("/jenisbuku")
14 def jenisbuku():
15     return render_template("jenisbuku.html")
  
```

jenisbuku.html  
 buku.html

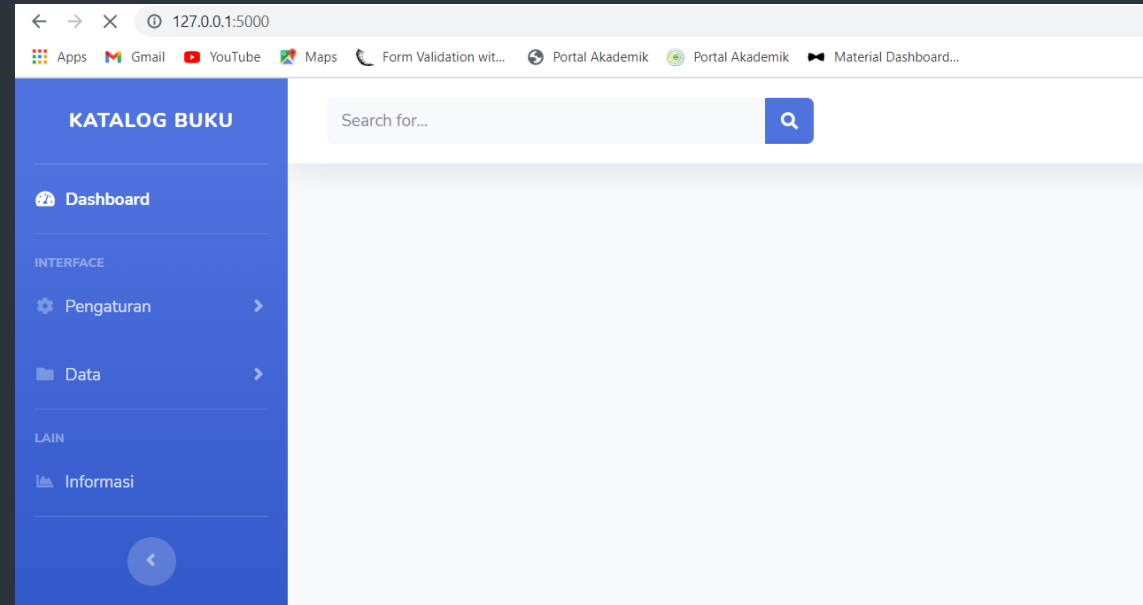


## Base.html

```
</nav>
<!-- End of Topbar -->

{% block konten%}
{% endblock %}
</div>
<!-- End of Main Content -->

<!-- Footer -->
<footer class="sticky-footer bg-white">
<div class="container my-auto">
<div class="copyright text-center">
<span>Copyright &copy; Infor
</div>
</div>
</div>
```



## jenisbuku.html

```
1 {% extends "base.html" %}
2
3 {% block konten%}
4
5 <!--arena html-->
6 <div class="container-fluid">
7
8 <h1>Jenis Buku</h1>
9 <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. F
10
11 </div>
12
13
14
15
16 {% endblock%}
```

