

**LATIHAN PERTEMUAN 5**  
**PRAKTIKUM PEMOGRAMAN BERBASIS WEB**  
Untuk Memenuhi Praktikum Pemograman Berbasis Web



Oleh:

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Semester : 4 (Genap)

Dosen :

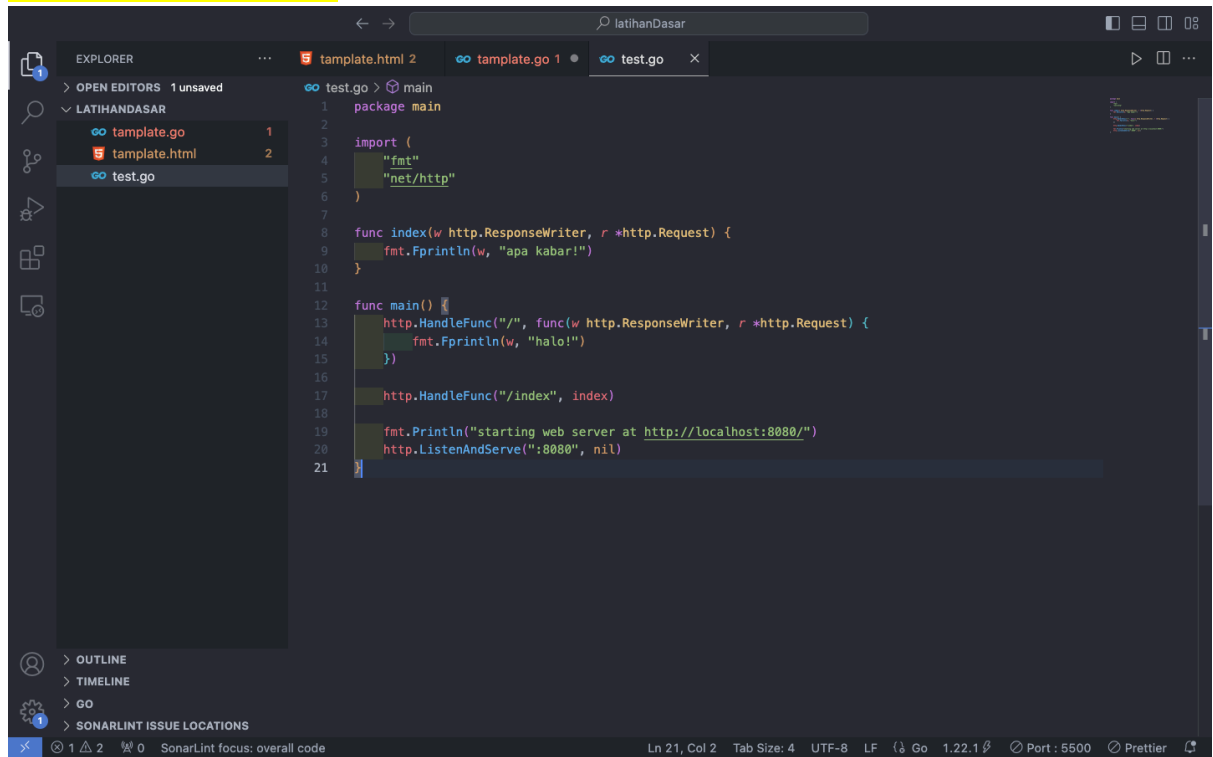
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**2023/2024**

Link github : <https://github.com/Ghumaisa/PBW>

## 1. Membuat Aplikasi Web Sederhana

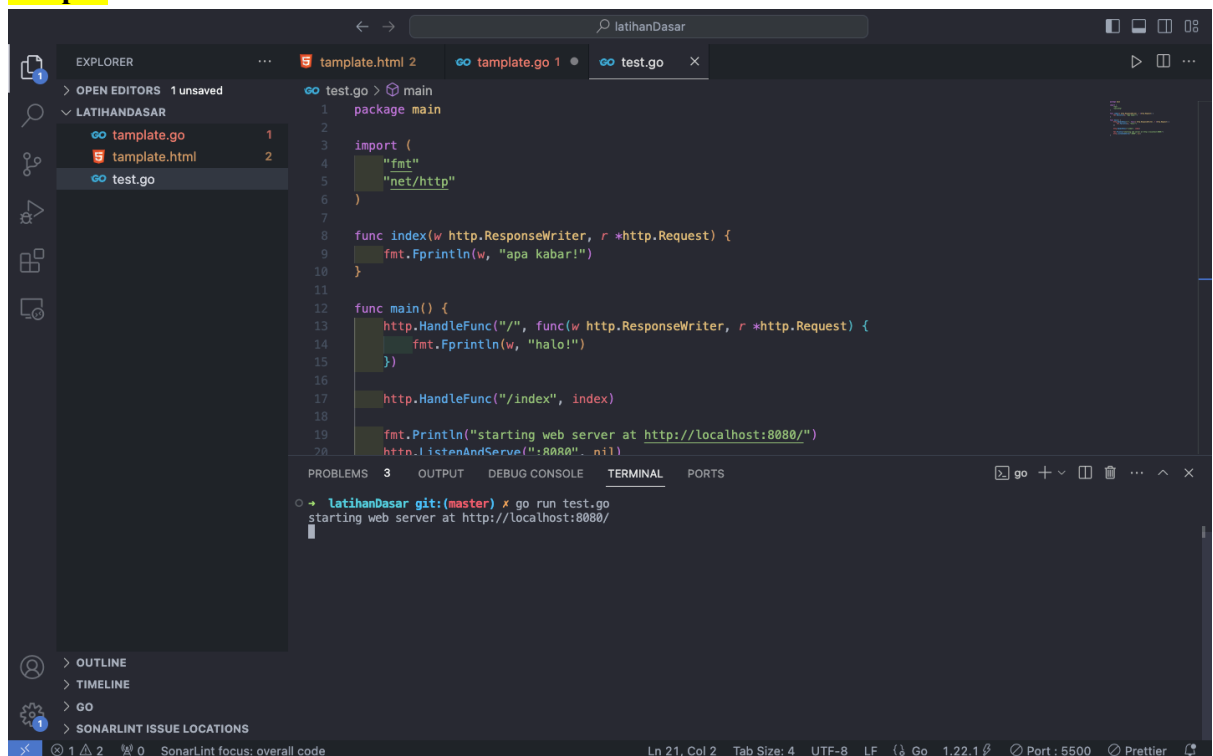
Menggunakan package net/http

### Screenshot Source Code



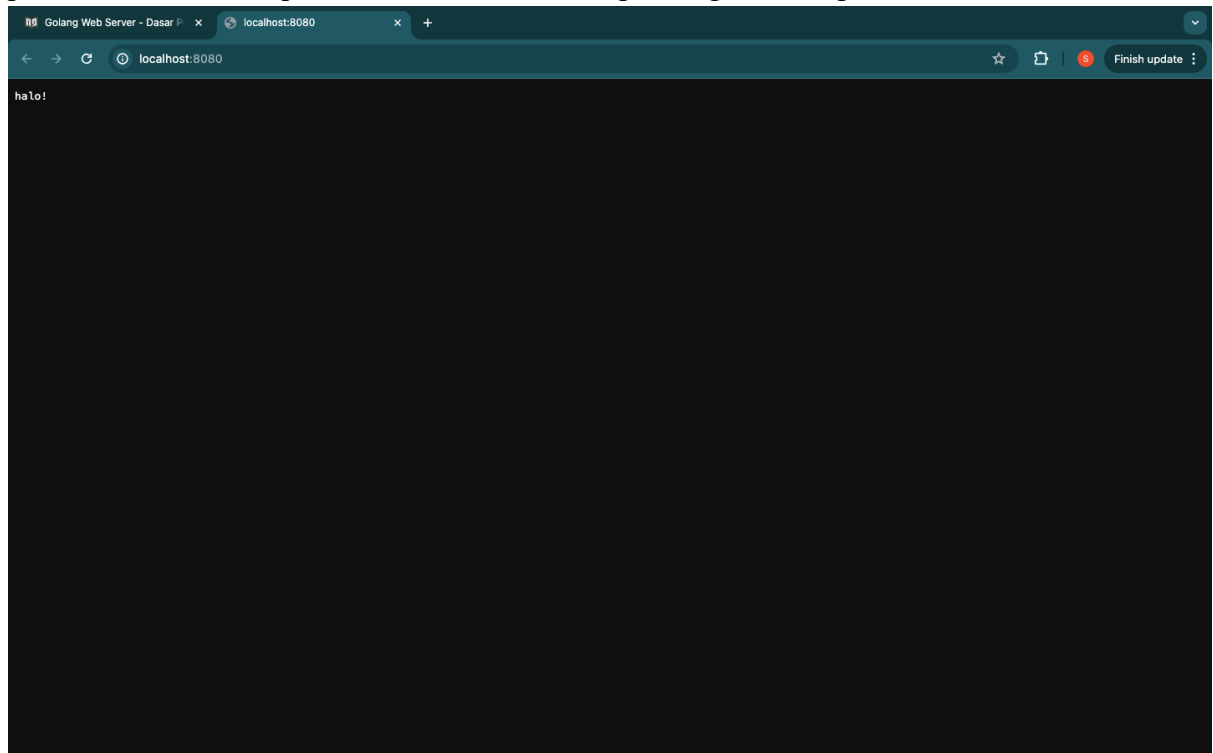
```
1 package main
2
3 import (
4     "fmt"
5     "net/http"
6 )
7
8 func index(w http.ResponseWriter, r *http.Request) {
9     fmt.Fprintln(w, "apa kabar!")
10 }
11
12 func main() {
13     http.HandleFunc("/", func(w http.ResponseWriter, r *http.Request) {
14         fmt.Fprintln(w, "halo!")
15     })
16     http.HandleFunc("/index", index)
17
18     fmt.Println("starting web server at http://localhost:8080/")
19     http.ListenAndServe(":8080", nil)
20 }
21
```

### Output

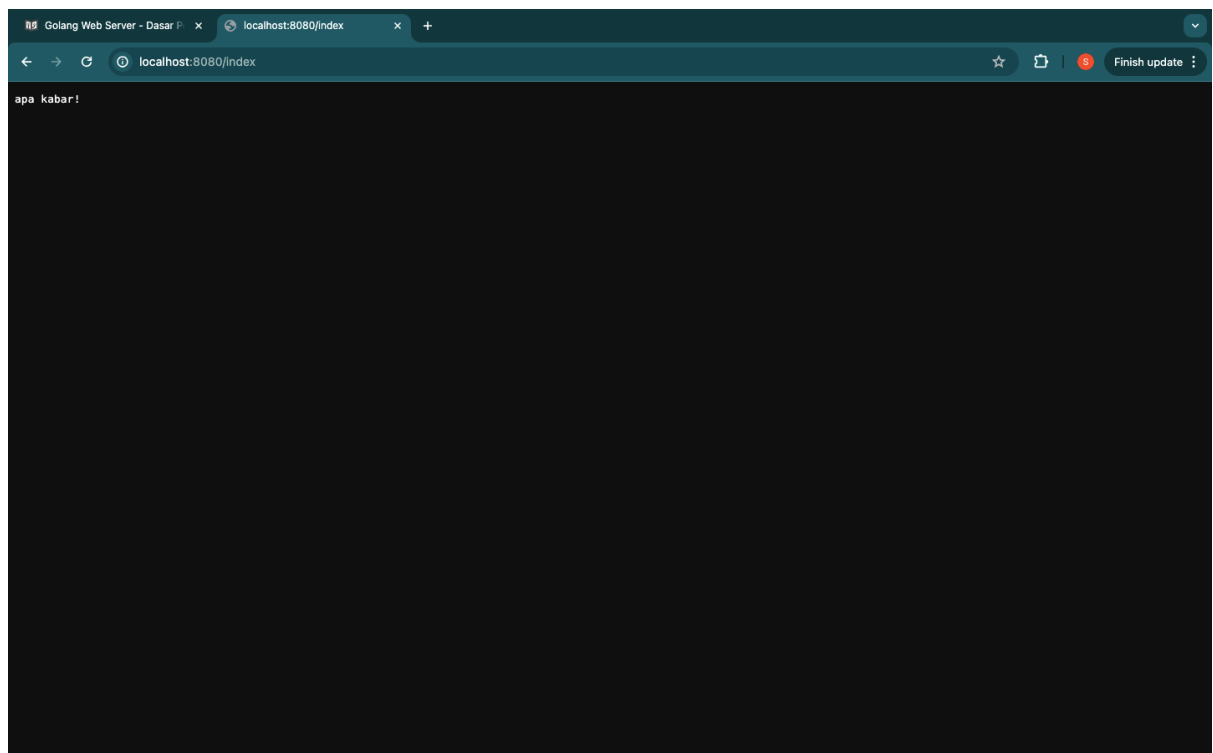


```
starting web server at http://localhost:8080/
```

pada saat buka url `http://localhost/` akan menampilkan gambar seperti dibawah.

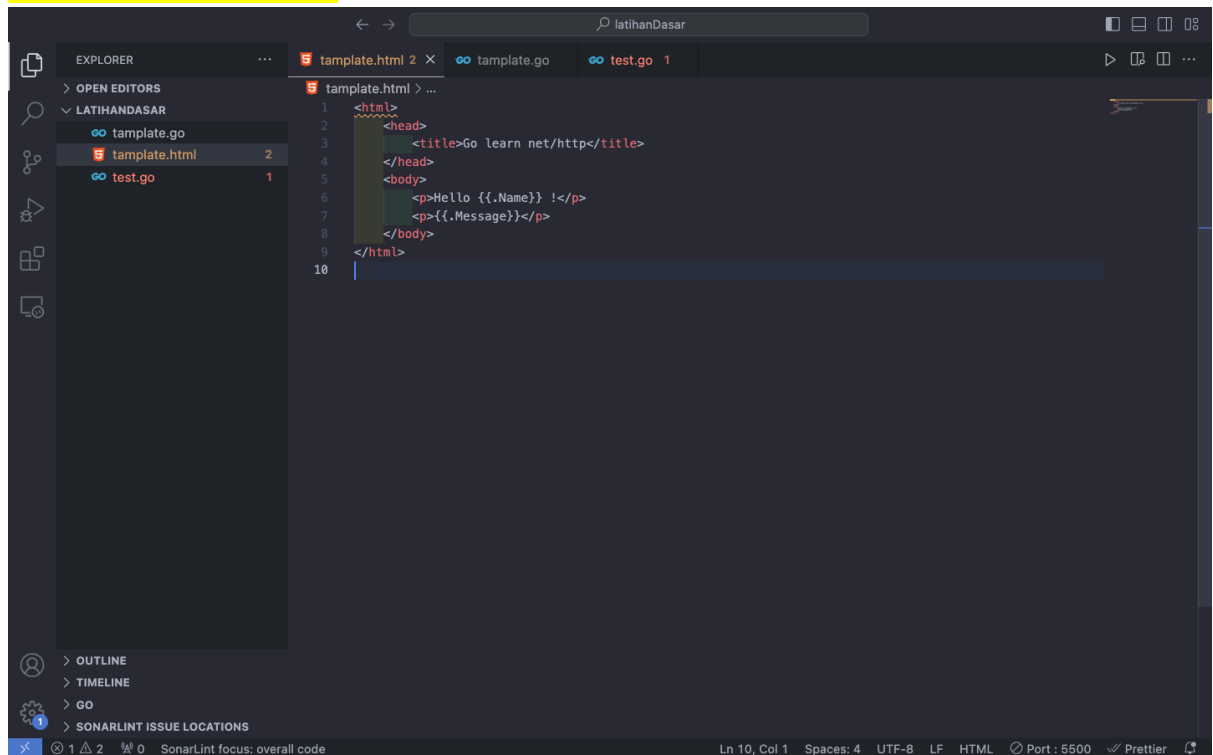


Jika menambahkan `/index` pada url localhost nya akan menampilkan text "apa kabar!"



## 2. Penggunaan Template Web

### Screenshot Source Code



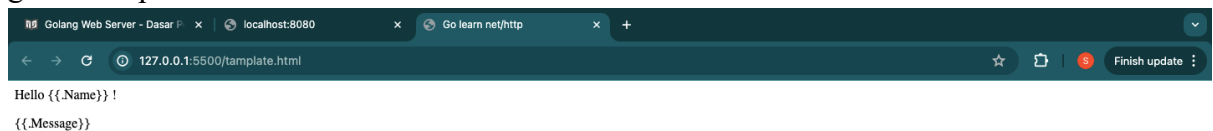
The screenshot shows the Visual Studio Code editor interface. The Explorer sidebar on the left shows a project named 'LATIHANDASAR' with files 'template.go', 'template.html', and 'test.go'. The main editor window displays the 'template.html' file with the following code:

```
1 <html>
2 <head>
3   <title>Go learn net/http</title>
4 </head>
5 <body>
6   <p>Hello {{.Name}} !</p>
7   <p>{{.Message}}</p>
8 </body>
9 </html>
10
```

The status bar at the bottom indicates the file is at 'Ln 10, Col 1', uses 'Spaces: 4', 'UTF-8' encoding, 'LF' line endings, and is an 'HTML' file. It also shows 'Port : 5500' and 'Prettier' formatting.

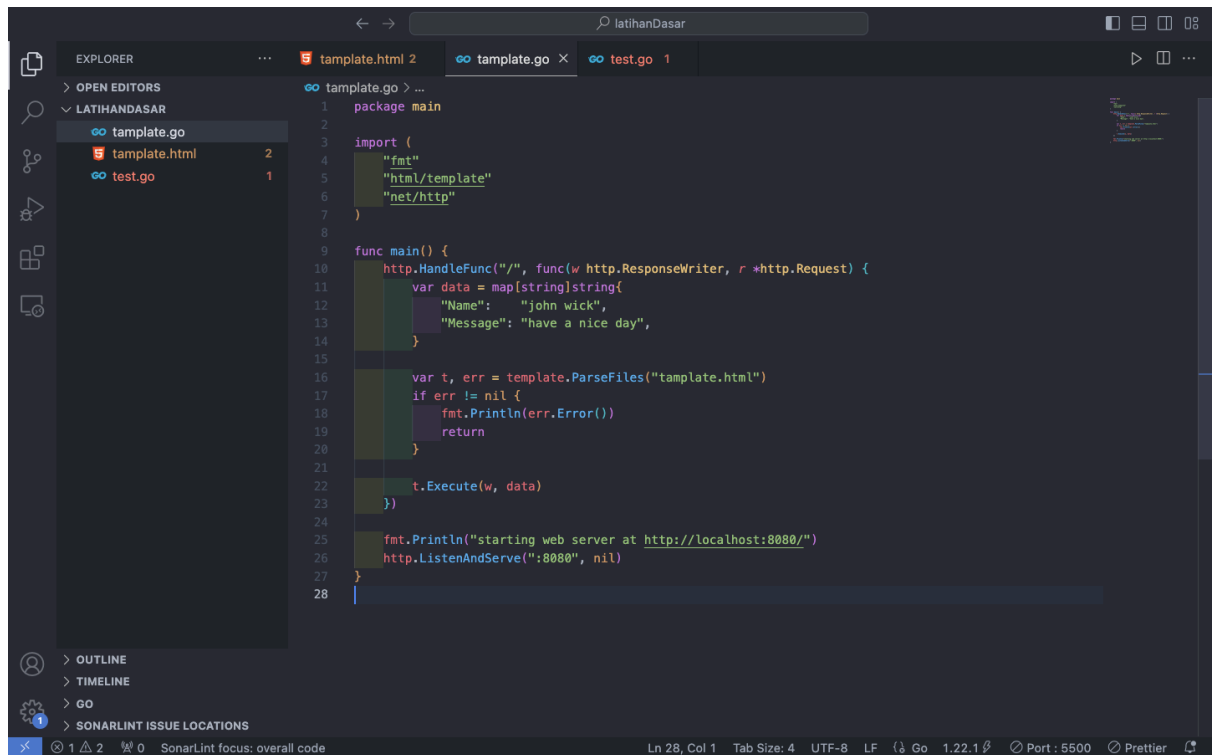
### Output

Pada saat buka <http://localhost:8080/>, maka data Nama dan Message akan menampilkan gambar seperti dibawah.



### 3. Mengubah isi file .go dengan kode berikut.

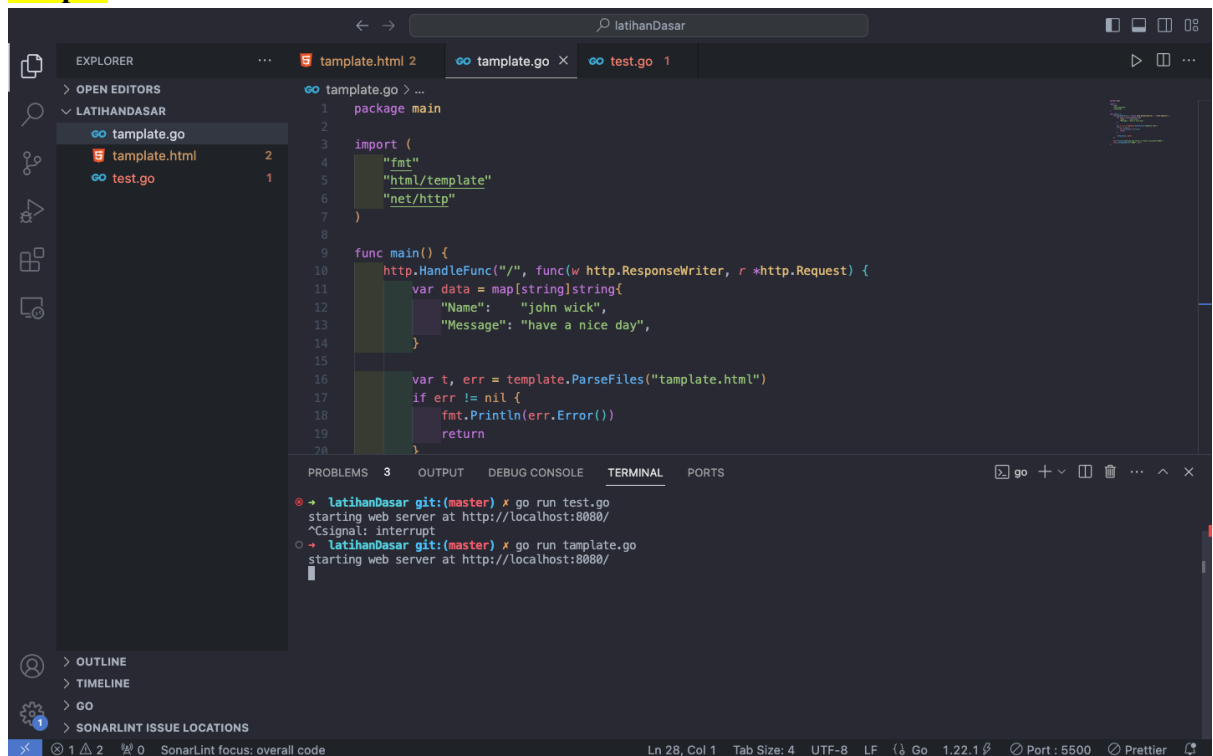
#### Screenshot Source Code



The screenshot shows the VS Code editor with the file `template.go` open. The code is as follows:

```
1 package main
2
3 import (
4     "fmt"
5     "html/template"
6     "net/http"
7 )
8
9 func main() {
10     http.HandleFunc("/", func(w http.ResponseWriter, r *http.Request) {
11         var data = map[string]string{
12             "Name": "john wick",
13             "Message": "have a nice day",
14         }
15
16         var t, err = template.ParseFiles("template.html")
17         if err != nil {
18             fmt.Println(err.Error())
19             return
20         }
21
22         t.Execute(w, data)
23     })
24
25     fmt.Println("starting web server at http://localhost:8080/")
26     http.ListenAndServe(":8080", nil)
27 }
28
```

#### Output



The screenshot shows the VS Code editor with the file `template.go` open. The terminal output is as follows:

```
latihanDasar git:(master) x go run test.go
starting web server at http://localhost:8080/
^Csignal: interrupt
latihanDasar git:(master) x go run template.go
starting web server at http://localhost:8080/
```

