

**TUGAS PRAKTIKUM**  
**PEMROGRAMAN BERBASIS WEB (A)**



DI SUSUN OLEH :

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NPM : 4522210040

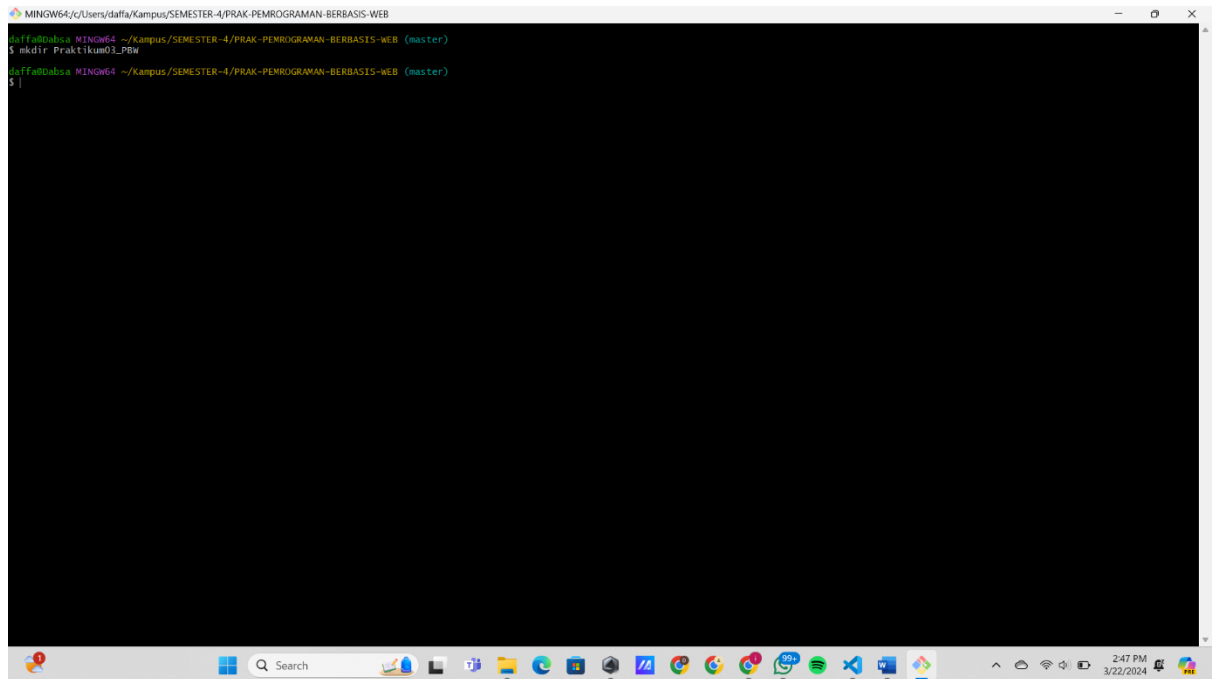
**S1- Teknik Informatika**

**Fakultas Teknik Universitas Pancasila**

**2023/2024**

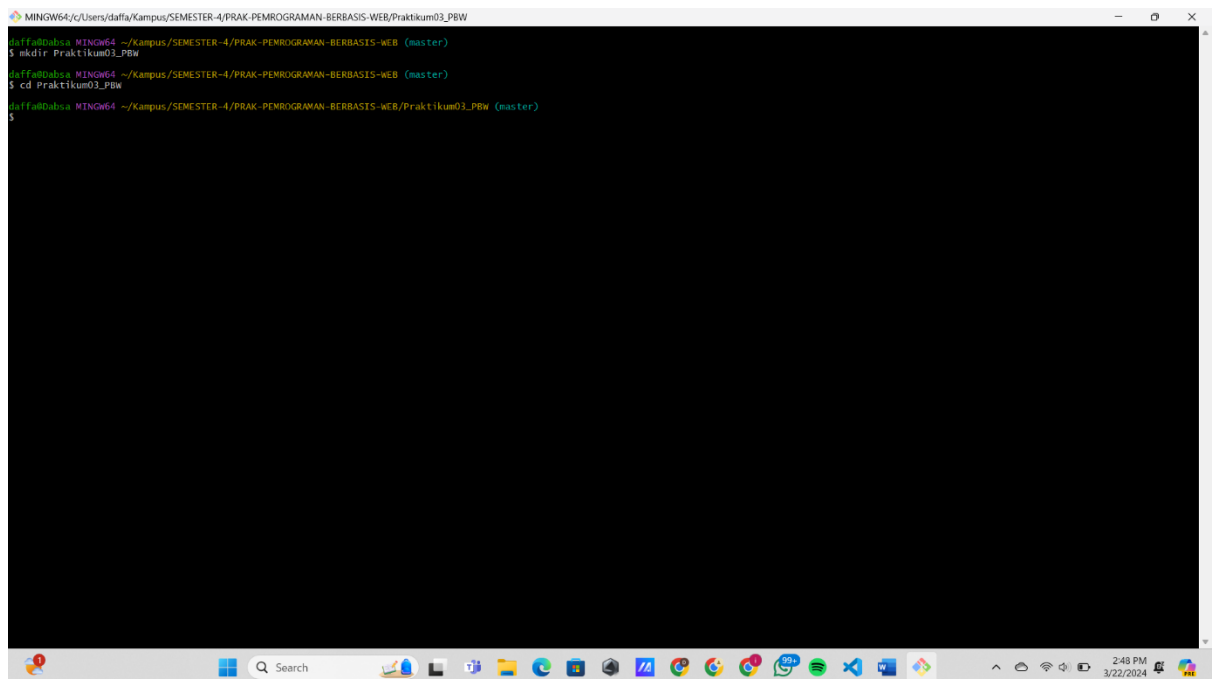
## Buat Folder “Praktikum03\_PBW”

- \$ mkdir Praktikum03\_PBW



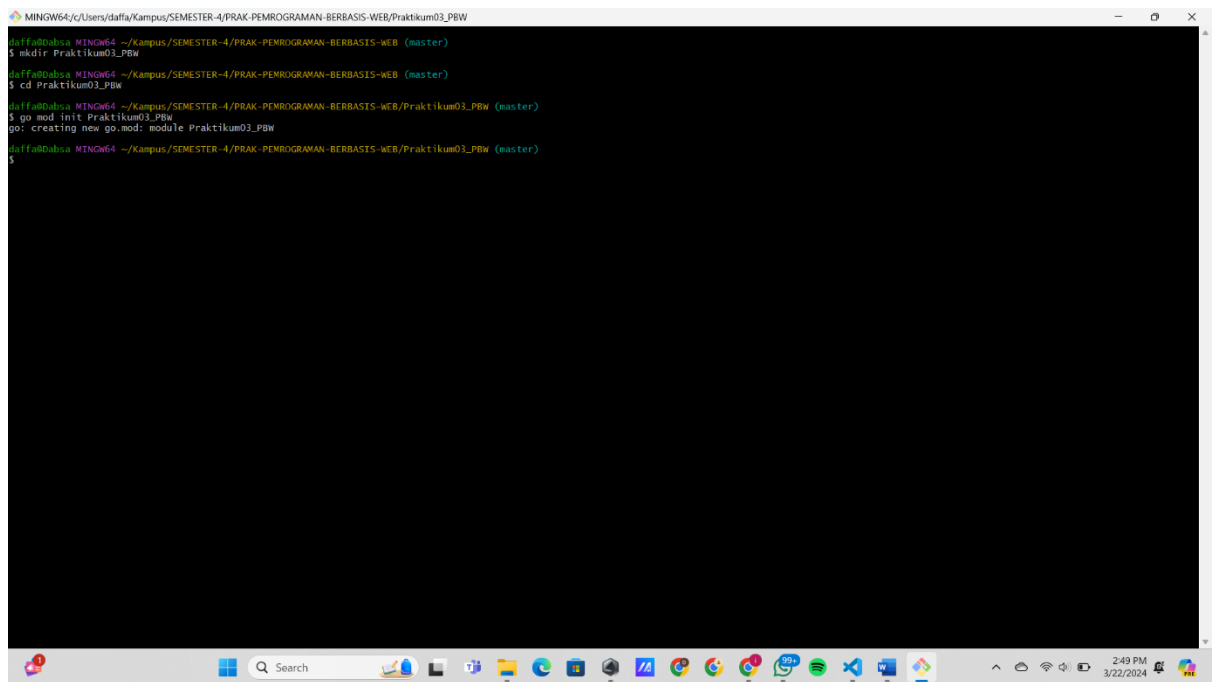
```
MINGW64~/c:/Users/daffa/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB
daffa@Dabosa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB (master)
$ mkdir Praktikum03_PBW
daffa@Dabosa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB (master)
$
```

- \$ cd Praktikum03\_PBW



```
MINGW64~/c:/Users/daffa/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW
daffa@Dabosa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB (master)
$ mkdir Praktikum03_PBW
daffa@Dabosa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB (master)
$ cd Praktikum03_PBW
daffa@Dabosa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$
```

- \$ go mod init Praktikum03\_PBW

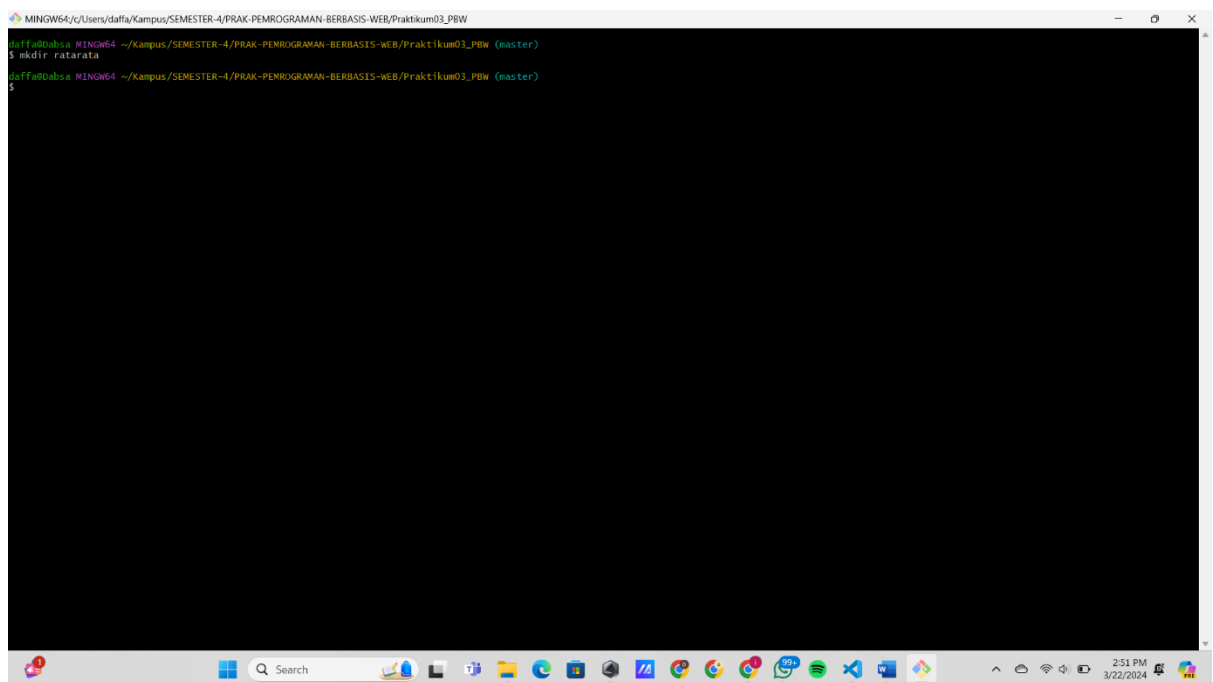


A screenshot of a Windows terminal window with a black background and green text. The window title is "MINGW64/c/Users/daffa/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03\_PBW". The terminal shows the following commands and output:

```
daffa@Dabssa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB (master)
$ mkdir Praktikum03_PBW
daffa@Dabssa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB (master)
$ cd Praktikum03_PBW
daffa@Dabssa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$ go mod init Praktikum03_PBW
go: creating new go.mod: module Praktikum03_PBW
daffa@Dabssa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$
```

The Windows taskbar is visible at the bottom, showing the Start button, search bar, and various application icons. The system clock indicates 2:49 PM on 3/22/2024.

- \$ mkdir ratarata

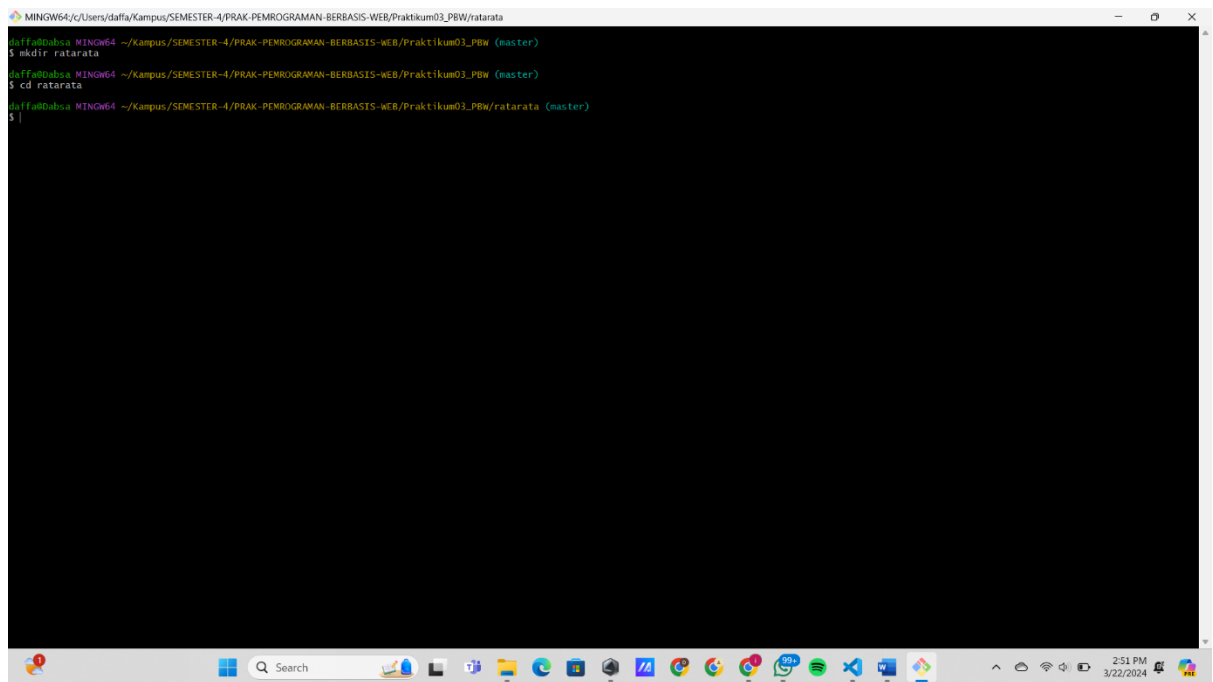


A screenshot of a Windows terminal window with a black background and green text. The window title is "MINGW64/c/Users/daffa/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03\_PBW". The terminal shows the following commands and output:

```
daffa@Dabssa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$ mkdir ratarata
daffa@Dabssa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$
```

The Windows taskbar is visible at the bottom, showing the Start button, search bar, and various application icons. The system clock indicates 2:51 PM on 3/22/2024.

- \$ cd ratarata

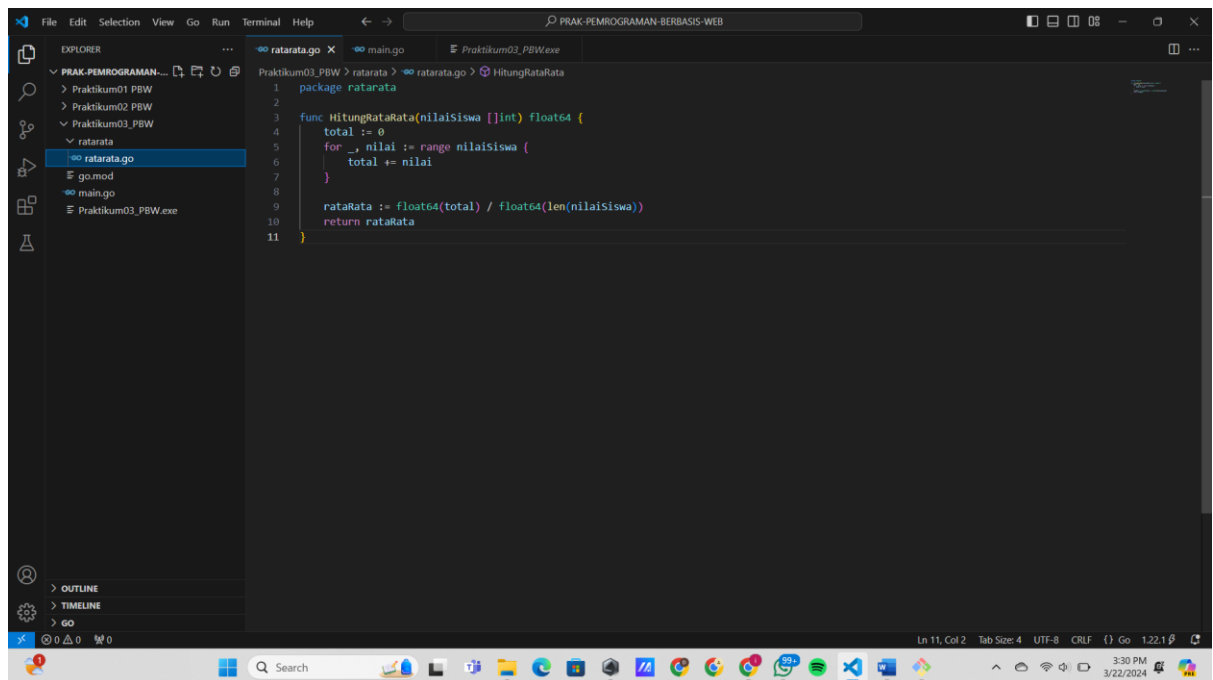


A screenshot of a Windows terminal window. The title bar reads "MINGW64/c/Users/dafa/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03\_PBW/ratarata". The terminal shows the following commands and output:

```
daFfaRdabua MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$ mkdir ratarata
daFfaRdabua MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$ cd ratarata
daFfaRdabua MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW/ratarata (master)
$
```

The terminal window has a taskbar at the bottom with various application icons and a system clock showing 2:51 PM on 3/22/2024.

- buat file ratarata.go

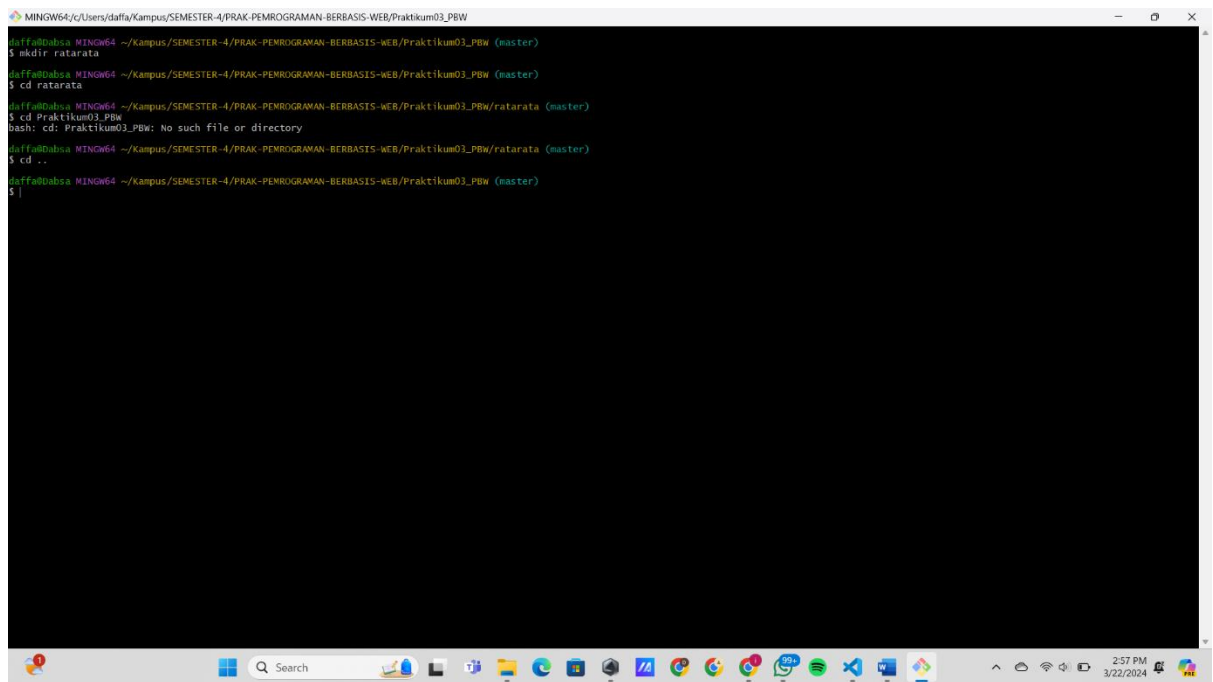


A screenshot of an IDE (Visual Studio Code) window. The title bar reads "PRAK-PEMROGRAMAN-BERBASIS-WEB". The Explorer panel on the left shows a project structure with folders "Praktikum01\_PBW", "Praktikum02\_PBW", and "Praktikum03\_PBW". Under "Praktikum03\_PBW", there is a subfolder "ratarata" containing a file "ratarata.go". The file "ratarata.go" is selected and its content is displayed in the main editor area:

```
1 package ratarata
2
3 func HitungRatarata(nilaiSiswa []int) float64 {
4     total := 0
5     for _, nilai := range nilaiSiswa {
6         total += nilai
7     }
8     rataRata := float64(total) / float64(len(nilaiSiswa))
9     return rataRata
10
11 }
```

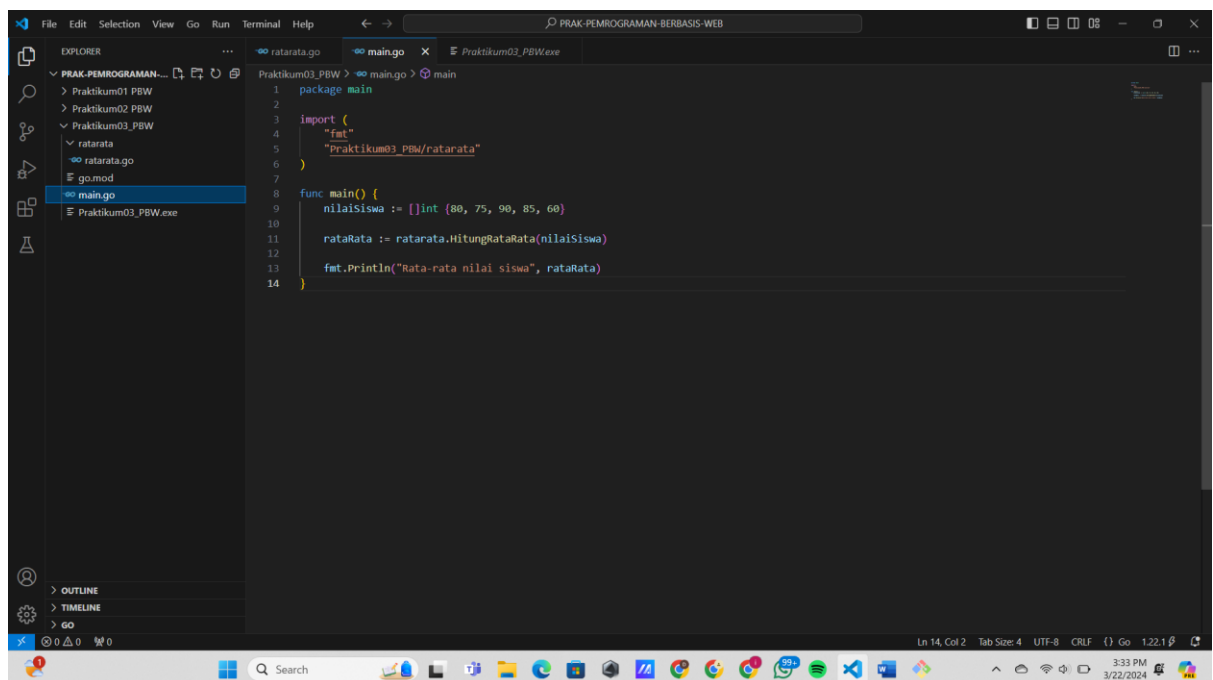
The IDE has a taskbar at the bottom with various application icons and a system clock showing 3:30 PM on 3/22/2024.

- \$ cd ..



```
MINGW64~/Users/dafa/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW
daFFaR0bbsa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$ mkdir ratarata
daFFaR0bbsa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$ cd ratarata
daFFaR0bbsa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW/ratarata (master)
$ cd Praktikum03_PBW
bash: cd: Praktikum03_PBW: No such file or directory
daFFaR0bbsa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW/ratarata (master)
$ cd ..
daFFaR0bbsa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$ |
```

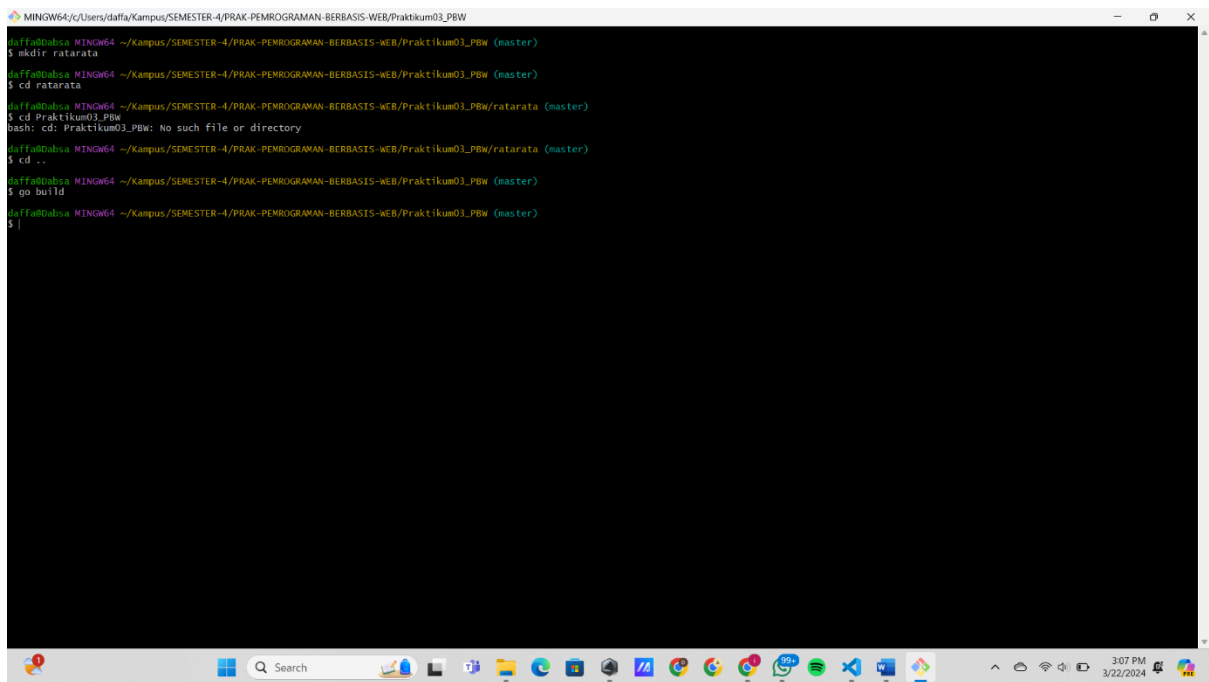
- Buat file main.go



```
File Edit Selection View Go Run Terminal Help
PRAK-PEMROGRAMAN-BERBASIS-WEB
EXPLORER
PRAK-PEMROGRAMAN-BERBASIS-WEB
  > Praktikum01_PBW
  > Praktikum02_PBW
  > Praktikum03_PBW
    > ratarata
      > ratarata.go
      > go.mod
      > main.go
      > Praktikum03_PBW.exe
OUTLINE
TIMELINE
GO
Ln 14, Col 2 Tab Size: 4 UTF-8 CRLF ( ) Go 1:22.1
```

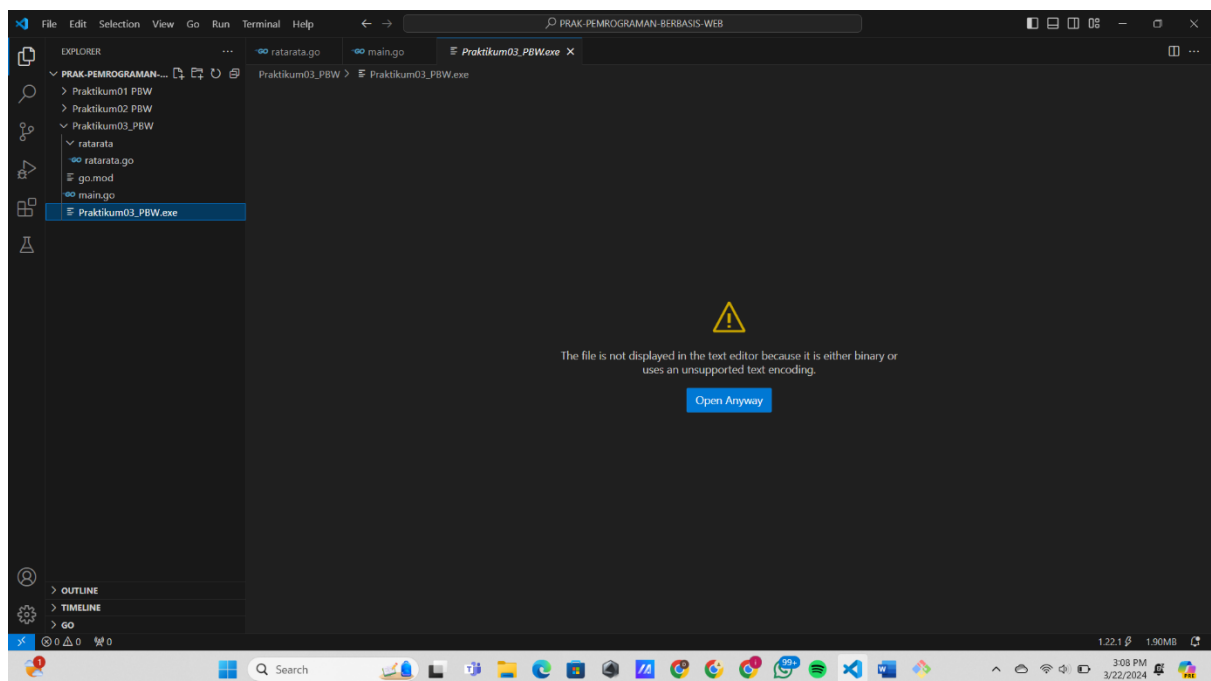
```
1 package main
2
3 import (
4     "fmt"
5     "Praktikum03_PBW/ratarata"
6 )
7
8 func main() {
9     nilaiSiswa := []int{80, 75, 90, 85, 60}
10
11     rataRata := ratarata.HitungRataRata(nilaiSiswa)
12
13     fmt.Println("Rata-rata nilai siswa", rataRata)
14 }
```

- \$ go build



```
MINGW64~/Users/daffa/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW
daffa@daffa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$ mkdir ratarata
daffa@daffa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$ cd ratarata
daffa@daffa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW/ratarata (master)
$ cd Praktikum03_PBW
bash: cd: Praktikum03_PBW: No such file or directory
daffa@daffa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW/ratarata (master)
$ cd ..
daffa@daffa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$ go build
daffa@daffa MINGW64 ~/Kampus/SEMESTER-4/PRAK-PEMROGRAMAN-BERBASIS-WEB/Praktikum03_PBW (master)
$ |
```

- Praktikum03\_PBW.exe



- LINK GITHUB :

[https://github.com/DaffaAbraarSajuti/Praktikum-Pemrograman-Berbasis-Web/tree/master/Praktikum03\\_PBW](https://github.com/DaffaAbraarSajuti/Praktikum-Pemrograman-Berbasis-Web/tree/master/Praktikum03_PBW)