

LAPORAN PRAKTIKUM
Algoritma Pemrograman

EVALUASI



Disusun oleh:

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PROGRAM STUDI S1 INFORMATIKA
FAKULTAS INFORMATIKA
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2025

SOAL

1. SOAL 1

Source Code

```
package main

import "fmt"

func main() {
    var n int
    fmt.Scan(&n)

    for i := 1; i <= n; i++ {
        fmt.Println(2 * i)
        if i < n {
            fmt.Print(", ")
        }
    }
}
```

Screenshot program

```
test.go
```

```
go_mastering > test.go > ...
1 package main
2
3 import "fmt"
4
5 func main() {
6     var n int
7     fmt.Scan(&n)
8
9     for i := 1; i <= n; i++ {
10         fmt.Println(2 * i)
11         if i < n {
12             fmt.Print(", ")
13         }
14     }
15 }
16
```

```
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```

```
Ln 3, Col 9 | 43 characters | Plain text | 100% | Window | UTF-8
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
```

```
PS C:\Coding\go_mastering> go run test.go
# command-line-arguments
.\test.go:12:21: i + 2 (value of type int) is not used
PS C:\Coding\go_mastering> go run test.go
# command-line-arguments
.\test.go:12:6: undefined: i
PS C:\Coding\go_mastering> go run test.go
# command-line-arguments
.\test.go:12:21: i + 2 (value of type int) is not used
PS C:\Coding\go_mastering> go run test.go
5
2, 4, 6, 8, 10
```

Deskripsi program

Program ini berfungsi untuk mencetak bilangan genap n pertama dimulai dari 2.

2. SOAL 2

Source Code

```
package main

import "fmt"
```

```
func main() {  
    var a, b int  
    var j int  
    fmt.Scan(&a, &b)  
    for j = a; j <= b; j++ {  
        fmt.Println(j, " ")  
        a = a * j  
    }  
  
    fmt.Println(a / 2)  
}
```

Screenshot program

The screenshot shows a code editor with a dark theme. On the left, a file named `test.go` is open, containing the following Go code:

```
1 package main
2
3 import "fmt"
4
5 func main() {
6     var a, b int
7     var j int
8     fmt.Scan(&a, &b)
9     for j = a; j <= b; j++ {
10         fmt.Print(j, " ")
11         a = a * j
12     }
13
14     fmt.Println(a / 2)
15
16 }
17
```

To the right of the code editor is a terminal window with the following content:

```
M MAHDAN ARGYA SYARIF
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IF-13-07|
```

At the bottom of the terminal window, the status bar displays: Ln 3, Col 9 | 43 characters | Plain t | 100% | Wind | UTF-8.

Below the terminal window, the VS Code interface shows the following tabs: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is currently selected), and PORTS.

The terminal history shows several runs of the program:

- PS C:\Coding\go_mastering> go run test.go
2 3 4 48
- PS C:\Coding\go_mastering> go run test.go
2 4
- PS C:\Coding\go_mastering> go run test.go
2 3 4 6
- PS C:\Coding\go_mastering> go run test.go
2 4
- PS C:\Coding\go_mastering> ^C
- PS C:\Coding\go_mastering> go run test.go
2 4
- PS C:\Coding\go_mastering> go run test.go
2 3 4 24

Deskripsi program

3. SOAL 3

Source Code

Screenshot program

Deskripsi program