

LAPORAN PRAKTIKUM

Algoritma Pemrograman

EVALUASI



Disusun oleh:

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S1IF-13-04

PROGRAM STUDI S1 INFORMATIKA

FAKULTAS INFORMATIKA

TELKOM UNIVERSITY PURWOKERTO

2025

SOAL

1. SOAL 1

Source Code

```
Package main

import "fmt"

func main () {

    var n int

    fmt.Scan (&n)

    for i := i; <= n ; i ++ {

        fmt.Scan(i*2-1, " ")

    }

}
```

Screenshot program

//tambahkan tangkapan layar dari program (boleh lebih dari 1 jika diperlukan)
CONTOH TANGKAPAN LAYAR: (GUNAKAN NOTEPAD)

The screenshot shows a code editor interface with a dark theme. On the left is the Explorer sidebar showing project files: Welcome, TEST.go, guided1.go (marked as modified), guided2.go, Settings, ALPRO1, CONTOH1, contoh2, guided2.go, and TEST.go. The main editor area displays the following Go code:

```
package main
import "fmt"
func main() {
    var mk string = "Algoritma dan Pemrograman"
    var kode, sks string
    fmt.Println("Tuliskan kode MK dan SKS: ")
    fmt.Scan(&kode, &sks)
    fmt.Println("Kredit MK", kode, "-", mk, "1 adalah", sks, "SKS")
}
```

Below the editor is a terminal window showing the execution of the program:

```
PS C:\ALPRO1> go run "c:\ALPRO1\contoh2\guided2.go"
Masukkan Jari-Jari: 5
Luas lingkaran: 78.5
Keliling lingkaran: 31.40
PS C:\ALPRO1>
* History restored
```

To the right of the terminal is a Notepad window titled "Tidak bejudul - Notepad" containing the following text:

```
NIM
KELAS
NAMAa
```

Deskripsi program

Jelaskan kode yang ada di source code, semakin detil semakin baik nilainya

2. SOAL 2

Source Code

```
package main

import "fmt"

func main() {
    var x, y, hasil int
    fmt.Scan(&x, &y)
    hasil = 1
    for i := x; i <= y; i++ {
        hasil *= i
    }
    fmt.Println(hasil)
}
```

Screenshoot program

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. The left sidebar has sections for EXPLORER, SETTINGS, and TERMINAL. The main area displays a Go file named 'pertumbuhan bakteri.go' with the following code:

```
package main

import "fmt"

func main() {
    var x, y, hasil int
    fmt.Scan(&x, &y)
    hasil = 1
    for i := x; i <= y; i++ {
        hasil *= i
    }
    fmt.Println(hasil)
}
```

The TERMINAL tab shows command-line output for running the program:

```
PS C:\Users\lenovo\OneDrive\ALGORITMA DAN PEMrograman> go run "c:\Users\lenovo\OneDrive\ALGORITMA DAN PEMrograman\2.go"
2 4
24
PS C:\Users\lenovo\OneDrive\ALGORITMA DAN PEMrograman> go run "c:\Users\lenovo\OneDrive\ALGORITMA DAN PEMrograman\2.go"
3 5
60
PS C:\Users\lenovo\OneDrive\ALGORITMA DAN PEMrograman>
```

A floating window in the top right corner displays student information: NAMA :NAFISAH SALSABILA, NIM :10902850063, KELAS :S1IF-13-04.

Deskripsi program

3. SOAL 3

Source Code

```
package main

import "fmt"

func main() {
    var peti, karung, ikat, keping, sisa int

    fmt.Scan(&keping)
    peti = keping / 800
    sisa = keping % 80

    karung = sisa / 100
    sisa = sisa % 100

    ikat = sisa / 50
    sisa = sisa % 50

    if sisa > 0 {
        ikat++
    }

    fmt.Println("Paket periksa yang dibutuhkan adalah", peti, "peti,",
               ikat, "ikat, dan", karung, "karung")
```

```
ikat = sisa / 10

sisa = sisa % 10

fmt.Println(peti, " peti ", karung, " karung ", ikat, " ikat ", sisa, " keping")

}
```

Screenshot program

The screenshot shows a Go code editor interface. On the left is the Explorer sidebar with files like `deret bilangan genap.go`, `pertumbuhan bakteri.go`, and `dagang.go`. The main editor area contains the following Go code:

```
func main() {
    var peti, karung, ikat, keping, sisa int
    fmt.Scan(&keping)
    peti = keping / 800
    sisa = keping % 800

    karung = sisa / 100
    sisa = sisa % 100

    ikat = sisa / 10
    sisa = sisa % 10

    fmt.Println(peti, " peti ", karung, " karung ", ikat, " ikat ", sisa, " keping")
}
```

A terminal window at the bottom shows the command `go run "c:\Users\lenovo\OneDrive\ALGORITMA DAN PEMrograman\dagang.go"` being run, resulting in the output:

```
PS C:\Users\lenovo\OneDrive\ALGORITMA DAN PEMrograman> go run "c:\Users\lenovo\OneDrive\ALGORITMA DAN PEMrograman\dagang.go"
800
1 peti 0 karung 0 ikat 0 keping
PS C:\Users\lenovo\OneDrive\ALGORITMA DAN PEMrograman> go run "c:\Users\lenovo\OneDrive\ALGORITMA DAN PEMrograman\dagang.go"
1053
1 peti 0 karung 1 ikat 3 keping
PS C:\Users\lenovo\OneDrive\ALGORITMA DAN PEMrograman>
```

Deskripsi program