

**LAPORAN PRAKTIKUM**  
**Algoritma Pemrograman**

**EVALUASI**



**Disusun oleh:**

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**S1IF-13-02**

**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

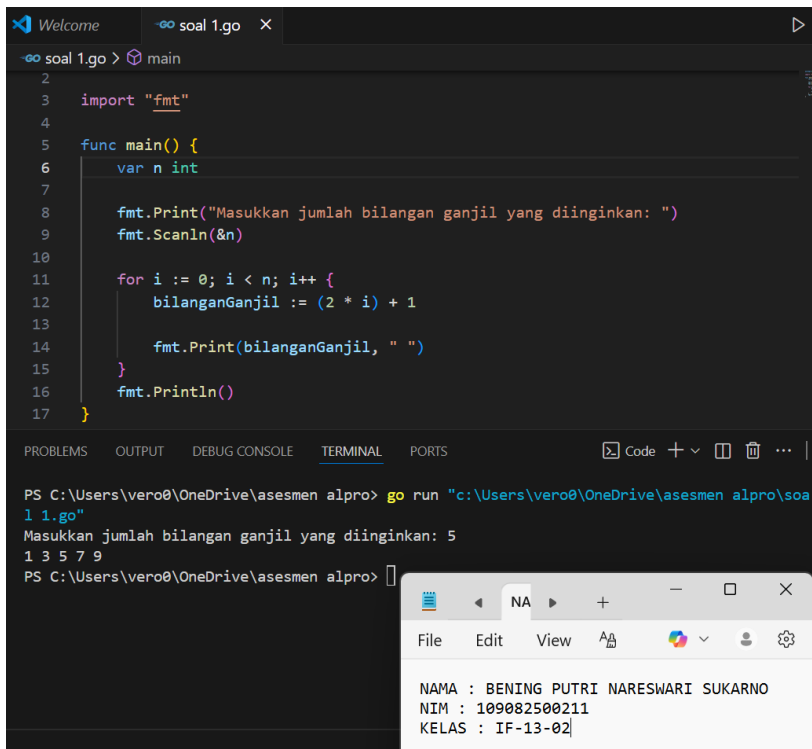
    fmt.Scanln(&n)

    for i := 0; i < n; i++ {
        bilanganGanjil := (2 * i) + 1

        fmt.Print(bilanganGanjil, " ")
    }

    fmt.Println()
}
```

## Screenshoot program



The screenshot shows a Go program in a VS Code editor and its execution in a terminal. The program is a simple loop that prints odd numbers from 1 to 9 based on user input.

```
2
3 import "fmt"
4
5 func main() {
6     var n int
7
8     fmt.Print("Masukkan jumlah bilangan ganjil yang diinginkan: ")
9     fmt.Scanln(&n)
10
11     for i := 0; i < n; i++ {
12         bilanganGanjil := (2 * i) + 1
13
14         fmt.Print(bilanganGanjil, " ")
15     }
16     fmt.Println()
17 }
```

The terminal output shows the program being run, the user inputting 5, and the program outputting the sequence of odd numbers 1 3 5 7 9.

```
PS C:\Users\vero0\OneDrive\asesmen alpro> go run "c:\Users\vero0\OneDrive\asesmen alpro\soa
l 1.go"
Masukkan jumlah bilangan ganjil yang diinginkan: 5
1 3 5 7 9
PS C:\Users\vero0\OneDrive\asesmen alpro>
```

A small window titled "NA" is also visible, containing the following text:

```
NAMA : BENING PUTRI NARESWARI SUKARNO
NIM : 109082500211
KELAS : IF-13-02
```

## 2. SOAL 2

### Source Code

```
package main

import "fmt"

func main() {
    var hariAwal, hariAkhir int
    var jumlahBakteri int = 1

    fmt.Print("Masukkan hari pertama (x): ")
    fmt.Scanln(&hariAwal)

    fmt.Print("Masukkan batas hari (y): ")
    fmt.Scanln(&hariAkhir)

    faktorPerkembangan := hariAwal + 1

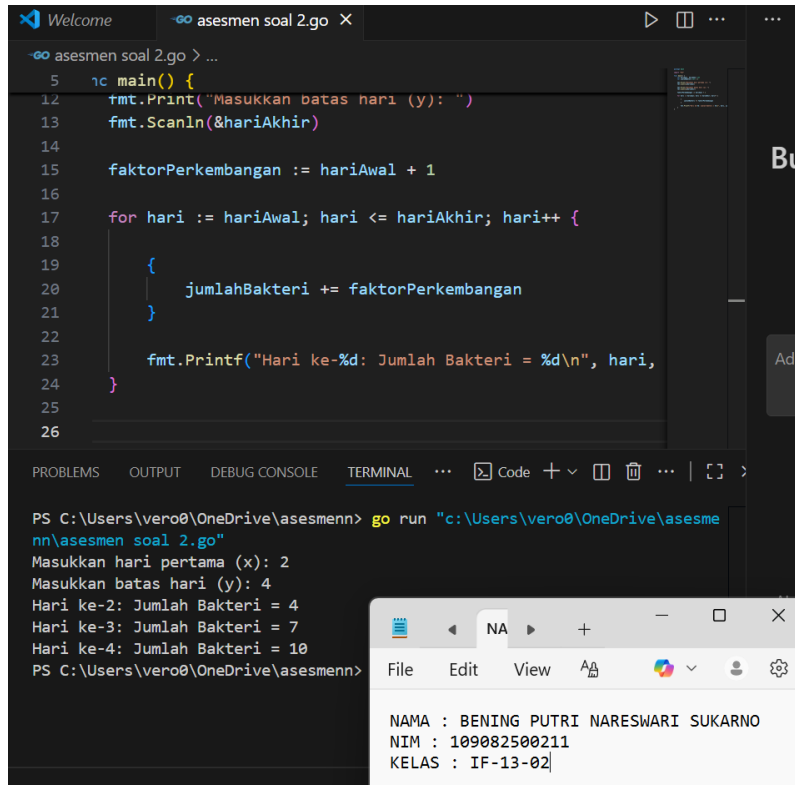
    for hari := hariAwal; hari <= hariAkhir; hari++ {

        {
            jumlahBakteri += faktorPerkembangan
        }

        fmt.Printf("Hari ke-%d: Jumlah Bakteri = %d\n", hari,
jumlahBakteri)
```

```
}  
  
}
```

## Screenshoot program



The screenshot shows a Go program in a VS Code editor and its execution in a terminal. The program calculates the total number of bacteria over a period of days, where the number of bacteria doubles each day.

```
5  1c main() {  
12  fmt.Print("Masukkan batas hari (y): ")  
13  fmt.Scanln(&hariAkhir)  
14  
15  faktorPerkembangan := hariAwal + 1  
16  
17  for hari := hariAwal; hari <= hariAkhir; hari++ {  
18  
19      {  
20          jumlahBakteri += faktorPerkembangan  
21      }  
22  
23      fmt.Printf("Hari ke-%d: Jumlah Bakteri = %d\n", hari,  
24  )  
25  }  
26  }
```

The terminal output shows the program's execution with the following inputs and results:

```
PS C:\Users\vero0\OneDrive\asesmenn> go run "c:\Users\vero0\OneDrive\asesme  
nn\asesmen soal 2.go"  
Masukkan hari pertama (x): 2  
Masukkan batas hari (y): 4  
Hari ke-2: Jumlah Bakteri = 4  
Hari ke-3: Jumlah Bakteri = 7  
Hari ke-4: Jumlah Bakteri = 10  
PS C:\Users\vero0\OneDrive\asesmenn>
```

A separate window titled 'NA' displays the student's information:

```
NAMA : BENING PUTRI NARESWARI SUKARNO  
NIM : 109082500211  
KELAS : IF-13-02
```

### 3. SOAL 3

#### Source Code

```
package main

import "fmt"

func main() {
    var totalKeping int

    keping per ikat = 10
    keping per karung = 100
    keping per peti = 800

    fmt.Print("Masukkan total Keping: ")
    fmt.Scanln(&totalKeping)

    peti := totalKeping / keping per peti
    sisaSetelahPeti := totalKeping % keping per peti

    karung := sisaSetelahPeti / keping per karung
    sisaSetelahKarung := sisaSetelahPeti % keping per karung
}
```

## Screenshoot program

```
asesmen soal 3.go > ...
1  package main
2
3  import "fmt"
4
5  func main() {
6      var totalKeping int
7
8      keping per ikat = 10
9      keping per karung = 100
10     keping per peti = 800
11
12     fmt.Print("Masukkan total Keping: ")
13     fmt.Scanln(&totalKeping)
14
15     peti := totalKeping / keping per peti
16     sisaSetelahPeti := totalKeping % keping per peti
17
18     karung := sisaSetelahPeti / KEPING_PER_KARUNG
19     sisaSetelahKarung := sisaSetelahPeti % KEPING_PER_KARUNG
20
21
22
```

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NIM : 109082500211  
KELAS : IF-13-02

## Deskripsi program