

**Praktikum Algoritma dan Pemrograman**  
**Fauzy Ramadan 20.14.1.0051**  
**Tugas 1.1 & 1.2**

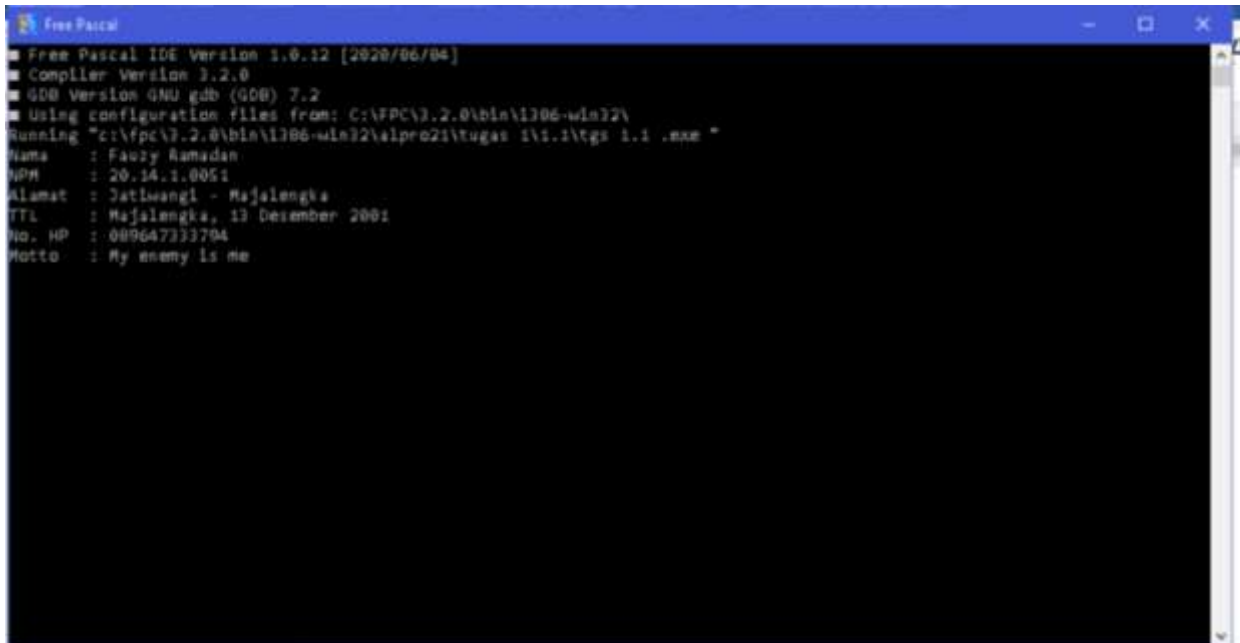
**Kode Program 1.1**

```
{Nama : Fauzy Ramadan}  
{NPM : 20.14.1.0051}  
{Program: TGS1_1.pas}
```

```
Program TGS1_1;  
uses crt;
```

```
begin  
  writeln ('Nama : Fauzy Ramadan');  
  writeln ('NPM : 20.14.1.0051');  
  writeln ('Alamat : Jatiwangi - Majalengka');  
  writeln ('TTL : Majalengka, 13 Desember 2001');  
  writeln ('No. HP : 089647333794');  
  writeln ('Motto : My enemy is me');  
  readln;  
  
end.
```

**Screenshot 1.1**



```
Free Pascal  
Free Pascal IDE Version 1.0.12 [2020/06/04]  
Compiler Version 3.2.0  
GDB Version GNU gdb (GDB) 7.2  
Using configuration files from: C:\FPC\3.2.0\bin\i386-win32\  
Running "c:\fpc\3.2.0\bin\i386-win32\alpro21\tugas 1\1.1\tgs 1.1 .exe"  
Nama : Fauzy Ramadan  
NPM : 20.14.1.0051  
Alamat : Jatiwangi - Majalengka  
TTL : Majalengka, 13 Desember 2001  
No. HP : 089647333794  
Motto : My enemy is me
```

### Kode Program 1.2

{Nama : Fauzy Ramadan}

{NPM : 20.14.1.0051}

{Program: TGS1\_2.pas}

Program TGS1\_2;

uses crt;

var

i : integer;

j : integer;

hasil : integer;

begin

writeln ('=====');

write ('Masukan Nilai ke-1 : '); readln(i);

write ('Masukan Nilai ke-2 : '); readln(j);

writeln;

writeln ('Operasi Hasil Operasi');

begin

hasil:= i + j

end;

writeln (i, ' + ', j, ' = ', hasil);

begin

hasil:= i - j

end;

writeln (i, ' - ', j, ' = ', hasil);

begin

hasil:= i \* j

end;

writeln (i, ' \* ', j, ' = ', hasil);

begin

hasil:= i DIV j

end;

writeln (i, ' DIV ', j, ' = ', hasil);

begin

hasil:= i MOD j

end;

writeln (i, ' MOD ', j, ' = ', hasil);

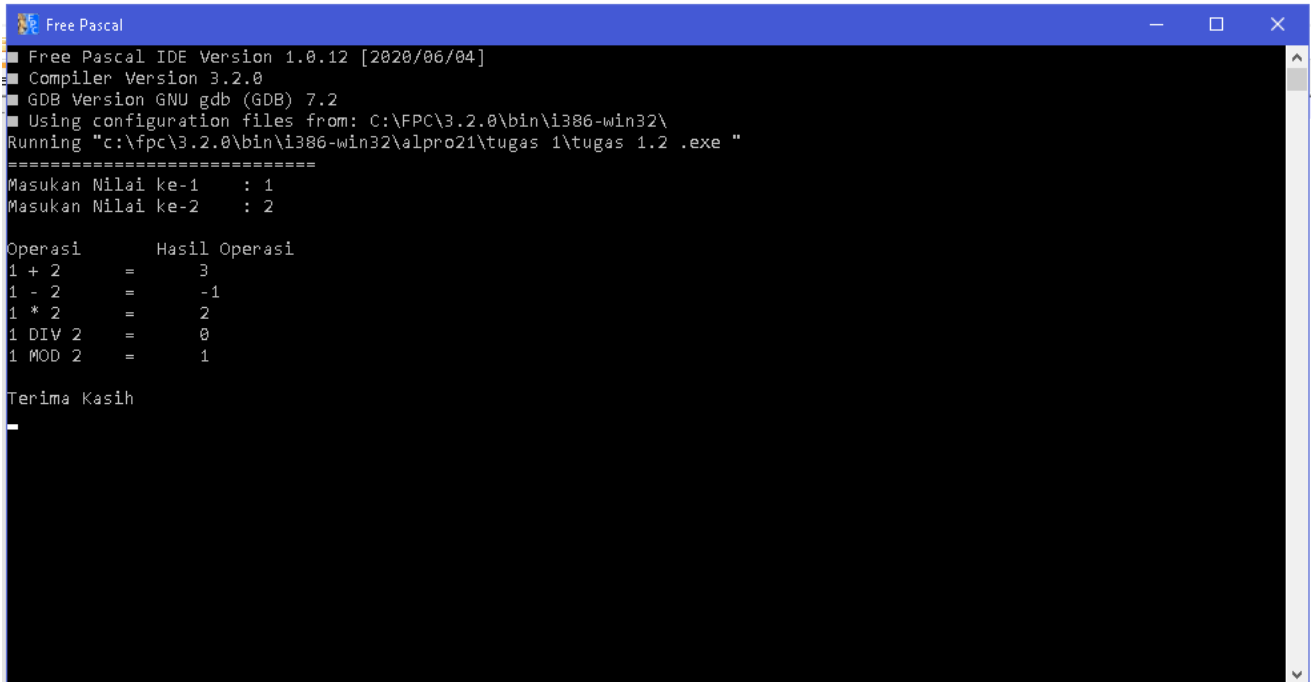
writeln;

writeln ('Terima Kasih');

readln;

end.

## Screenshot 1.2



The screenshot shows the Free Pascal IDE window. The title bar reads 'Free Pascal'. The main text area contains the following output:

```
Free Pascal IDE Version 1.0.12 [2020/06/04]
Compiler Version 3.2.0
GDB Version GNU gdb (GDB) 7.2
Using configuration files from: C:\FPC\3.2.0\bin\i386-win32\
Running "c:\fpc\3.2.0\bin\i386-win32\alpro21\tugas 1\tugas 1.2 .exe "
=====
Masukan Nilai ke-1      : 1
Masukan Nilai ke-2      : 2

Operasi      Hasil Operasi
1 + 2        =      3
1 - 2        =     -1
1 * 2        =      2
1 DIV 2      =      0
1 MOD 2      =      1

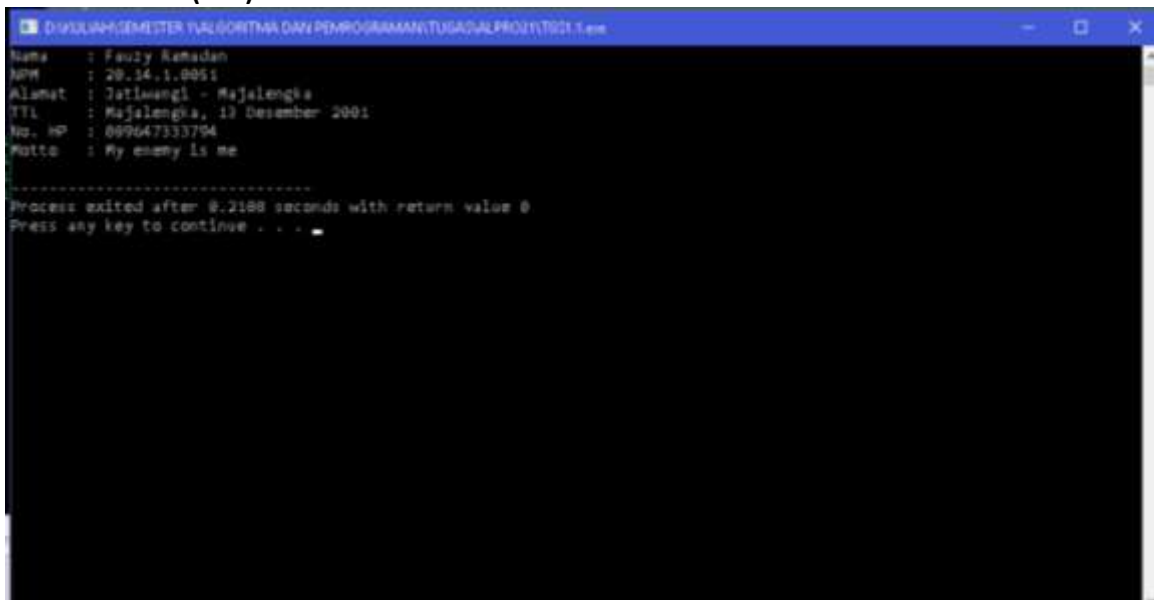
Terima Kasih
_
```

## Kode Program 1.1 (C++)

```
#include <iostream>
using namespace std;
int main ()
{
    cout << "Nama : Fauzy Ramadan \n";
    cout << "NPM : 20.14.1.0051 \n";
    cout << "Alamat : Jatiwangi - Majalengka \n";
    cout << "TTL : Majalengka, 13 Desember 2001 \n";
    cout << "No. HP: 089647333794 \n";
    cout << "Motto : My enemy is me \n";

    return 0;
}
```

## Screenshot 1.1 (C++)



The screenshot shows a command prompt window titled 'D:\KULIAH SEMESTER IV\ALGORITMA DAN PEMROGRAMAN\TUGAS ALPRO21\tugas 1.1.exe'. The output is as follows:

```
Nama : Fauzy Ramadan
NPM : 20.14.1.0051
Alamat : Jatiwangi - Majalengka
TTL : Majalengka, 13 Desember 2001
No. HP : 089647333794
Motto : My enemy is me

.....
Process exited after 0.2188 seconds with return value 0
Press any key to continue . . .
```

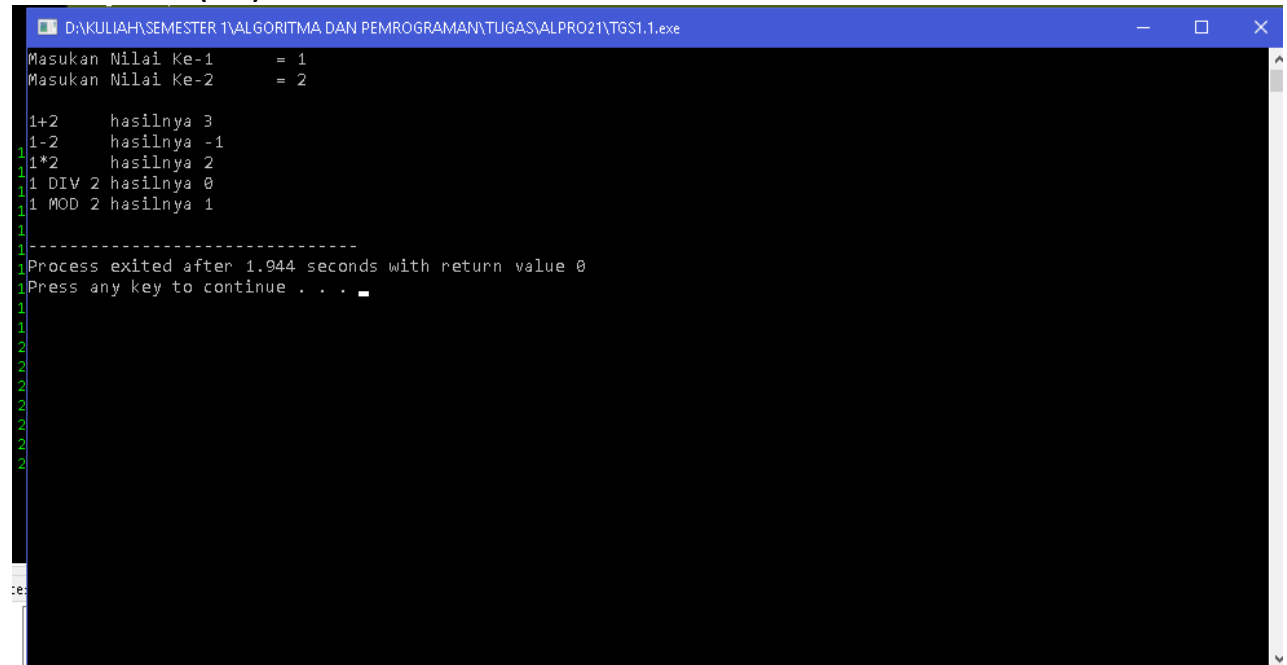
### Kode Program 1.2 (C++)

```
#include <iostream>
using namespace std;
int main ()
{
    int i,j,hasil;

    cout << "Masukan Nilai Ke-1    = ";
    cin >> i;
    cout << "Masukan Nilai Ke-2    = ";
    cin >> j;
    cout << endl;

    hasil = i+j;
    cout << i << "+" << j << "      hasilnya " << hasil << endl;
    hasil = i-j;
    cout << i << "-" << j << "      hasilnya " << hasil << endl;
    hasil = i*j;
    cout << i << "*" << j << "      hasilnya " << hasil << endl;
    hasil = i/j;
    cout << i << " DIV " << j << "    hasilnya " << hasil << endl;
    hasil = i%j;
    cout << i << " MOD " << j << "    hasilnya " << hasil << endl;
    return 0;
}
```

### Screenshot 1.2 (C++)



The screenshot shows a Windows command prompt window titled "D:\KULIAH\SEMESTER 1\ALGORITMA DAN PEMROGRAMAN\TUGAS\ALPRO21\TGS1.1.exe". The program prompts for two values, "Masukan Nilai Ke-1" and "Masukan Nilai Ke-2", which are entered as 1 and 2 respectively. The program then displays the results of various arithmetic operations: addition (1+2=3), subtraction (1-2=-1), multiplication (1\*2=2), division (1 DIV 2=0), and modulus (1 MOD 2=1). The output is formatted with green text for the operations and black text for the results. The window also shows the process exiting after 1.944 seconds with a return value of 0, and a prompt to press any key to continue.

```
D:\KULIAH\SEMESTER 1\ALGORITMA DAN PEMROGRAMAN\TUGAS\ALPRO21\TGS1.1.exe
Masukan Nilai Ke-1    = 1
Masukan Nilai Ke-2    = 2

1+2      hasilnya 3
1-2      hasilnya -1
1*2      hasilnya 2
1 DIV 2  hasilnya 0
1 MOD 2  hasilnya 1

-----
Process exited after 1.944 seconds with return value 0
Press any key to continue . . .
```