LAPORAN PRAKTIKUM

ALGORITMA PEMROGRAMAN
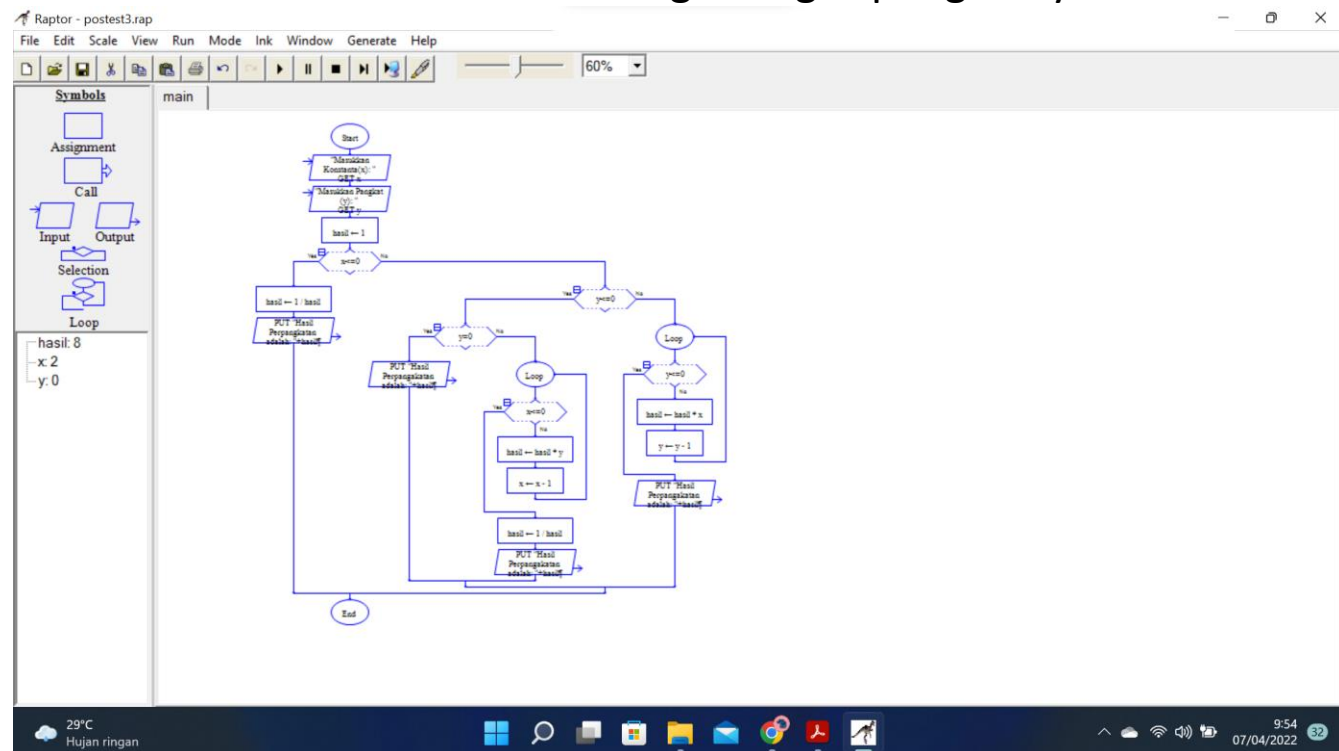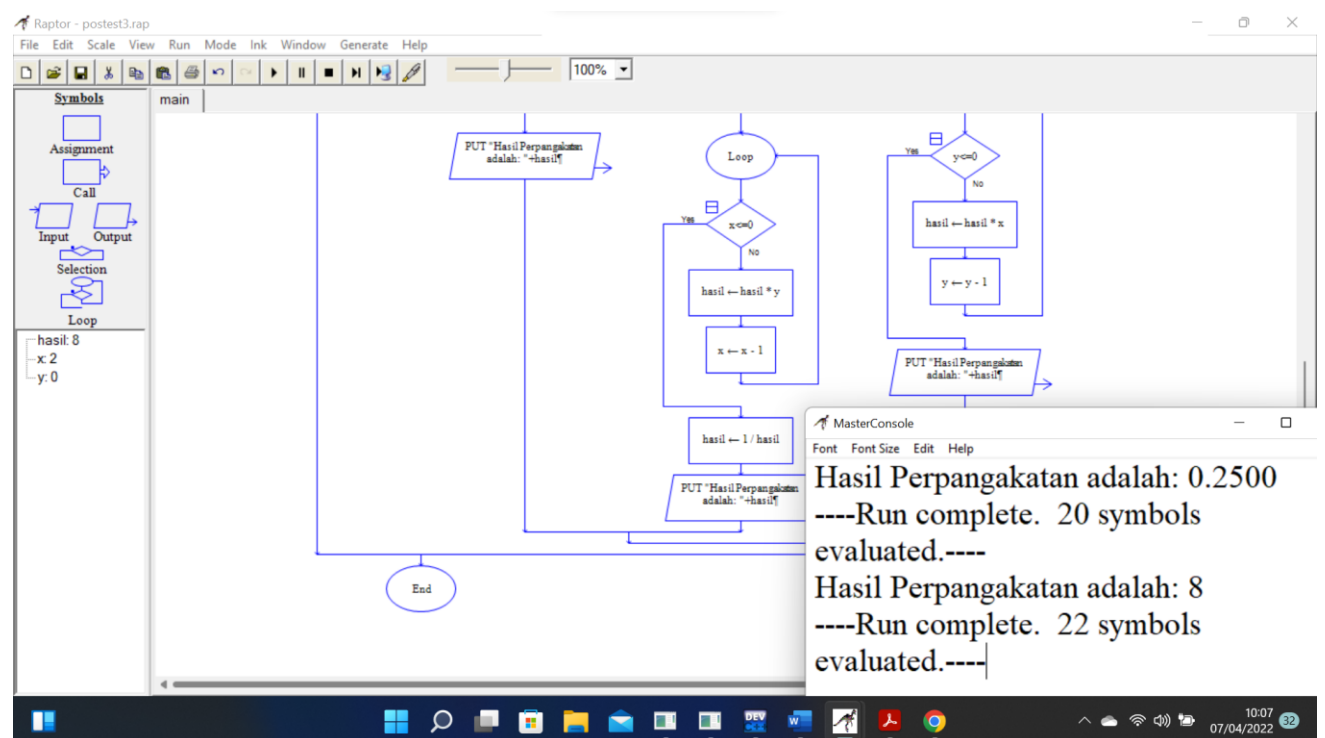

Disusun Oleh :

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UNIVERSITAS AHMAD DAHLAN

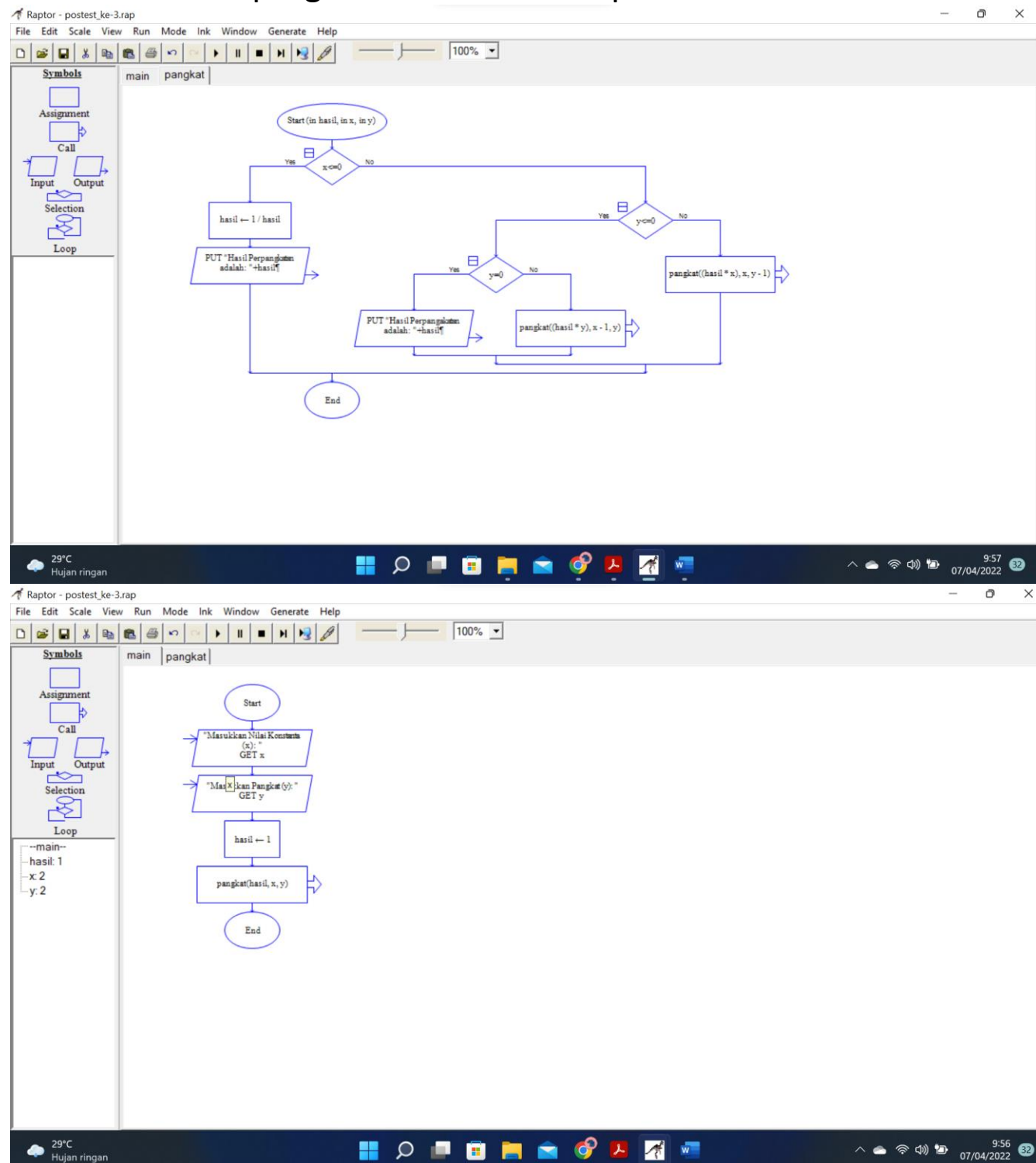**FAKULTAS TEKNOLOGI INDUSTRI**

PROGRAM STUDI TEKNIK INFORMATIKA

MARET 2022

1.Membuat Flowchart untuk menghitung x pangkat y

RUN

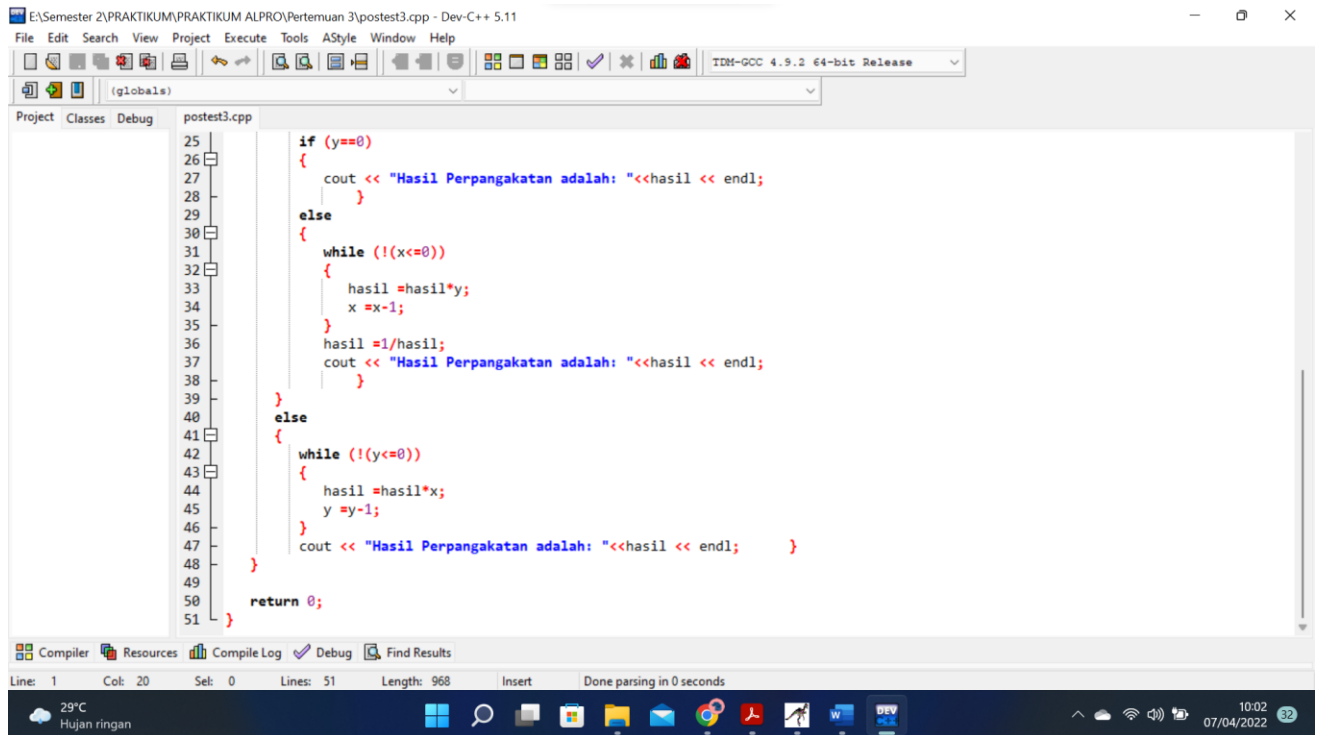## 2.Membuat Subprogram dari flowchart pertama

RUN

3.PROGRAM C++


```cpp
#include <iostream>

using namespace std;
int main()
{
int x;
    int y;
    float hasil;

    cout<<"Masukkan Konstanta(x): ";
    cin >> x;
    cout<<"Masukkan Pangkat (y): ";
    cin >> y;
    hasil =1;

    if (x<=0)
    {
        hasil =1/hasil;
        cout << "Hasil Perpangkatan adalah: "<<hasil << endl;
        }
    else
    {
        if (y<=0)
        {
            if (y==0)
            {
                cout << "Hasil Perpangakatan adalah: "<<hasil << endl;
```

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

postest3.cpp

```cpp
25          if (y==0)
26          {
27              cout << "Hasil Perpangakatan adalah: "<<hasil << endl;
28              }
29          else
30          {
31              while (!(x<=0))
32              {
33                  hasil =hasil*y;
34                  x =x-1;
35              }
36              hasil =1/hasil;
37              cout << "Hasil Perpangakatan adalah: "<<hasil << endl;
38              }
39          }
40          else
41          {
42              while (!(y<=0))
43              {
44                  hasil =hasil*x;
45                  y =y-1;
46              }
47              cout << "Hasil Perpangakatan adalah: "<<hasil << endl;      }
48          }
49
50          return 0;
51      }
```

Compiler | Resources | Compile Log | Debug | Find Results

Line: 1   Col: 20   Sel: 0   Lines: 51   Length: 968   Insert   Done parsing in 0 seconds

29°C
Hujan ringan

10:02
07/04/2022

RUN PROGRAM

```
Masukkan Konstanta(x): 2
Masukkan Pangkat (y): -2
Hasil Perpangakatan adalah: 0.25

-------------------------------
Process exited after 3.648 seconds with return value 0
Press any key to continue . . .
```

```
Masukkan Konstanta(x): 2
Masukkan Pangkat (y): 3
Hasil Perpangakatan adalah: 8

-------------------------------
Process exited after 2.753 seconds with return value 0
Press any key to continue . . .
```

10:03
07/04/2022