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- Notasi Algoritma

Input → fakultas

Depend on (toupper(fakultas))

Case 'A' : Fakultas Ilmu Komputer

```
If(a11)
{
    Output "Teknik Informatika"
}
If(a12)
{
    Ouput "Sistem Informasi"
}
If(a14)
{
    Output "DKV"
}
elif(a15)
{
    Output "Ilmu Komunikasi"
}
elif(a16)
{
    Output "Film dan televisi "
}
elif(a17)
```

```
{  
    Output "Animasi"  
}  
elif(a21)  
{  
    Output "D3 Manajemen Informatika"  
}  
elif(a22)  
{  
    Output "D3 Teknik Informatika"  
}  
elif(a24)  
{  
    Output "D3 Broadcasting"  
}  
Break;
```

Case 'B' : Fakultas Ekonomi dan Bisnis

```
if(b11)  
{  
    Output "Manajemen"  
}  
elif(b12)  
{  
    Output "Akuntansi"  
}  
elif(b13)  
{  
    Output "Ekonomi Syariah"  
}
```

```
Break;
```

Case 'C' : Fakultas Ilmu dan Budaya

```
if(c11)
```

```
{
```

```
    Output "Sastra Inggris"
```

```
}
```

```
elif(c12)
```

```
{
```

```
    Output "Sastra Jepang"
```

```
}
```

```
elif(c13)
```

```
{
```

```
    Output "Manajemen Perhotelan"
```

```
}
```

```
Break;
```

Case 'D' : Fakultas Kesehatan

```
if(e11)
```

```
{
```

```
    Output "Teknik Elektro"
```

```
}
```

```
elif(e12)
```

```
{
```

```
    Output "Teknik Industri"
```

```
}
```

```
elif(e13)
```

```
{
```

```
    Output "Teknik Biomedis"
```

```
}
```

```
Break;
```

Default;

- Kode

```
//Judul : implementasi depend on dengan case
//Memo : 28 sept 2022 d2g Bima Afkanur Rifqi
#include<iostream>
#include<string.h>
using namespace std;
//Kamus :
char faku;
char kopro[5];
//Diskripsi
main()
{
    cout << "===== " << endl;
    cout << "        Memilih fakultas dan prodi" << endl;
    cout << "===== " << endl;
    cout << "        Pilih Fakultas dengan huruf kapital" << endl;
    cout << "===== " << endl;
    cout << "Fakultas Ilmu Komputer      = A " << endl;
    cout << "Fakultas Ekonomi dan Bisnis  = B " << endl;
    cout << "Fakultas Ilmu dan Budaya     = C " << endl;
    cout << "Masukan pilihan anda : "; cin >> faku;
    switch(toupper(faku))
    {
        case 'A':
            {
                cout << "Anda berada di fakultas ilmu komputer" << endl;
                cout << "Kode Prodi : "; cin >> kopro;
```

```
if(strcmp(kopro,"a11")==0 || strcmp(kopro,"A11")==0)
{
    cout << "Prodi Teknik Informatika - S1";
}
else if((strcmp(kopro,"a12")==0 || strcmp(kopro,"A12")==0))
{
    cout << "Prodi Sistem Informasi - S1";
}
else if((strcmp(kopro,"a14")==0 || strcmp(kopro,"A14")==0))
{
    cout << "Prodi Desain Komunikasi Visual - S1";
}
else if((strcmp(kopro,"a15")==0 || strcmp(kopro,"A15")==0))
{
    cout << "Prodi Ilmu Komunikasi - S1";
}
else if((strcmp(kopro,"a16")==0 || strcmp(kopro,"A16")==0))
{
    cout << "Prodi Film dan Televisi - D4";
}
else if((strcmp(kopro,"a17")==0 || strcmp(kopro,"A17")==0))
{
    cout << "Prodi Animasi - D4";
}
else if((strcmp(kopro,"a21")==0 || strcmp(kopro,"A21")==0))
{
    cout << "Prodi Manajemen Informatika - D3";
}
else if((strcmp(kopro,"a22")==0 || strcmp(kopro,"A22")==0))
```

```

    {
        cout << "Prodi Teknik Informatika - D3";
    }
    else if((strcmp(kopro,"a24")==0 || strcmp(kopro,"A24")==0))
    {
        cout << "Prodi Broadcasting - D3";
    }
    break;
}
case 'B':
{
    cout << "Anda berada di fakultas ekonomi dan bisnis";
    cout << "Kode Prodi : "; cin >> kopro;
    if(strcmp(kopro,"b11")==0 || strcmp(kopro,"B11")==0)
    {
        cout << "Prodi Manajemen - S1";
    }
    else if(strcmp(kopro,"b12")==0 || strcmp(kopro,"B12")==0)
    {
        cout << "Prodi Akuntansi - S1";
    }
    else if(strcmp(kopro,"b13")==0 || strcmp(kopro,"B13")==0)
    {
        cout << "Prodi Ekonomi Syariah - S1";
    }
    break;
}
case 'C':
{

```

```

    cout << "Kode Prodi : "; cin >> kopro;
    cout << "Anda berada di fakultas ilmu dan budaya";
    if(strcmp(kopro,"c11")==0 || strcmp(kopro,"C11")==0)
    {
        cout << "Prodi Sastra Inggris - S1";
    }
    else if(strcmp(kopro,"c12")==0 || strcmp(kopro,"C12")==0)
    {
        cout << "Prodi Sastra Jepang - S1";
    }
    else if(strcmp(kopro,"c13")==0 || strcmp(kopro,"C13")==0)
    {
        cout << "Prodi Manajemen Perhotelan - D4";
    }
    break;
}

case 'D':
{
    cout << "Kode Prodi : "; cin >> kopro;
    cout << "Anda berada di fakultas kesehatan";
    if(strcmp(kopro,"d11")==0 || strcmp(kopro,"D11")==0)
    {
        cout << "Prodi Kesehatan Masyarakat - S1";
    }
    else if(strcmp(kopro,"d12")==0 || strcmp(kopro,"D12")==0)
    {
        cout << "Prodi Kesehatan Lingkungan - S1";
    }
    else if(strcmp(kopro,"d22")==0 || strcmp(kopro,"D22")==0)

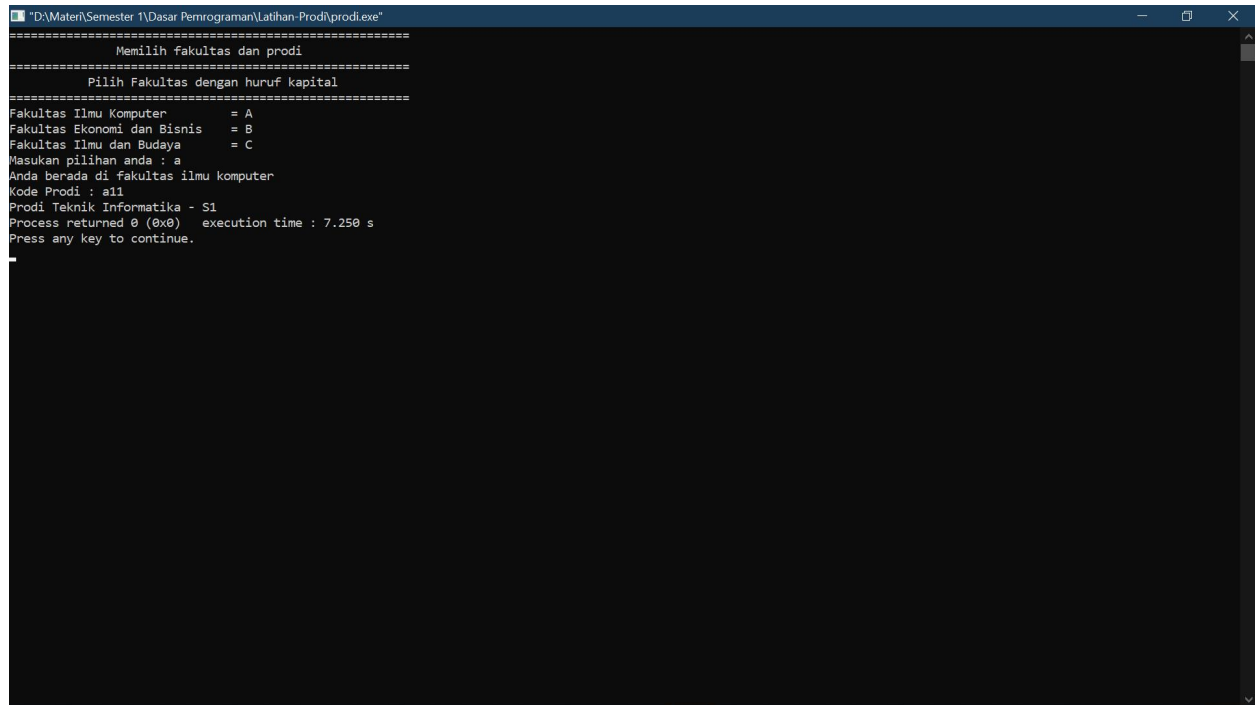
```

```

        {
            cout << "Prodi Rekam medis & info kesehatan - D3";
        }
        break;
    }
case 'E':
    {
        cout << "Kode Prodi : "; cin >> kopro;
        cout << "Anda berada di fakultas teknik";
        if(strcmp(kopro,"e11")==0 || strcmp(kopro,"E11")==0)
        {
            cout << "Prodi Teknik Elektro - S1";
        }
        else if(strcmp(kopro,"e12")==0 || strcmp(kopro,"E12")==0)
        {
            cout << "Prodi Teknik Industri - S1";
        }
        else if(strcmp(kopro,"e13")==0 || strcmp(kopro,"E13")==0)
        {
            cout << "Prodi Teknik Biomedis - S1";
        }
        break;
    }
default:
    {
        cout << "Data tidak valid";
    }
}
}

```


- Screenshot



```
"D:\Materi\Semester 1\Dasar Pemrograman\Latihan-Prodi\prodi.exe"
=====
Memilih fakultas dan prodi
=====
Pilih Fakultas dengan huruf kapital
=====
Fakultas Ilmu Komputer      = A
Fakultas Ekonomi dan Bisnis = B
Fakultas Ilmu dan Budaya    = C
Masukan pilihan anda : a
Anda berada di fakultas ilmu komputer
Kode Prodi : a11
Prodi Teknik Informatika - S1
Process returned 0 (0x0)   execution time : 7.250 s
Press any key to continue.
```