**Notasi Algoritma**

// Judul : Program Deteksi Prodi Mahasiswa Berdasarkan NIM

// Programer : Dwi Nur Alfin 7 Okt 2022

// Kamus

kodefakultas 🡨 Character

kodejenjangA, kodejenjangB, kodeprodiA1, kodeprodiA2, kodeprodiB1, kodeprodiB2 🡨 Integer, Riil

// Deskripsi

Input kodefakultas

Depend on ( kodefakultas )

kodefakultas = A : output FIK

Input kodejenjangA

Depend on ( kodejenjangA )

kodejenjangA = 1 : output FIK S1

Input kodeprodiA1

Depend on ( kodeprodiA1 )

kodeprodiA1 = 1 : output A11 FIK S1 Teknik Informatika

kodejenjangA = 2 : output FIK D3

Input kodeprodiA2

Depend on ( kodeprodiA2 )

kodeprodiA2 = 1 : output A21 FIK D3 Manajemen Informatika

kodefakultas = B : Output FEB

Input kodejenjangB

Depend on ( kodejenjangB )

kodejenjangB = 1 : output FEB S1

Input kodeprodiB1

Depend on ( kodeprodiB1 )

kodeprodiB1 = 1 : output B11 FEB S1 Manajemen

kodejenjangB = 2 : output FEB D3

Input kodeprodiB2

Depend on ( kodeprodiB2)

kodeprodiB2 = 2 : output B21 FEB D3 Akuntansi

A11 = FIK S1 Teknik Informatika

A21 = FIK D3 Manajemen Informatika

B11 = FEB S1 Manajemen

B21 = FEB D3 Akutansi

**Code**

//judul : program deteksi prodi mahasiswa berdasarkan nim

//programer : Dwi Nur Alfin 7 Okt 2022

#include <iostream>

using namespace std;

//kamus

char kodefakultas;

int kodejenjangA,kodejenjangB,kodeprodiA1,kodeprodiA2,kodeprodiB1,kodeprodiB2;

//deskripsi

main()

{

cout << "Masukkan kode fakultas : " <<endl;

cout << "A = FIK B = FEB" <<endl;

cout << "-------------------------" <<endl;

cin >> kodefakultas;

switch ( toupper ( kodefakultas ) )

{

case 'A' :

{

cout << "" <<endl;

cout << "===" <<endl;

cout << "FIK" <<endl;

cout << "===" <<endl;

cout << "" <<endl;

cout << "Pilih kode jenjang !" <<endl;

cout << "1. S1\n2. D3" <<endl;

cout << "--------------------" <<endl;

cin >> kodejenjangA;

switch ( kodejenjangA )

{

case 1 :

{

cout << "" <<endl;

cout << "======" <<endl;

cout << "FIK S1" <<endl;

cout << "======" <<endl;

cout << "" <<endl;

cout << "Pilih kode prodi !" <<endl;

cout << "1. Teknik Informatika" <<endl;

cout << "---------------------" <<endl;

cin >> kodeprodiA1;

switch ( kodeprodiA1 )

{

case 1 :

{

cout << "" <<endl;

cout << "=============================" <<endl;

cout << "A11 FIK S1 Teknik Informatika" <<endl;

cout << "=============================" <<endl;

break;

}

default :

{

cout << "" <<endl;

cout << "Salah, coba lagi" <<endl;

break;

}

}

break;

}

case 2 :

{

cout << "" <<endl;

cout << "======" <<endl;

cout << "FIK D3" <<endl;

cout << "======" <<endl;

cout << "" <<endl;

cout << "Pilih kode prodi !" <<endl;

cout << "1. Manajemen Informatika" <<endl;

cout << "------------------------" <<endl;

cin >> kodeprodiA2;

switch ( kodeprodiA2 )

{

case 1 :

{

cout << "" <<endl;

cout << "================================" <<endl;

cout << "A21 FIK D3 Manajemen Informatika" <<endl;

cout << "================================" <<endl;

break;

}

default :

{

cout << "" <<endl;

cout << "Salah, coba lagi" <<endl;

break;

}

}

break;

}

default :

{

cout << "" <<endl;

cout << "Salah, coba lagi" <<endl;

break;

}

}

break;

}

case 'B' :

{

cout << "" <<endl;

cout << "===" <<endl;

cout << "FEB" <<endl;

cout << "===" <<endl;

cout << "" <<endl;

cout << "Pilih kode jenjang !" <<endl;

cout << "1. S1\n2. D3" <<endl;

cout << "------------" <<endl;

cin >> kodejenjangB;

switch ( kodejenjangB )

{

case 1 :

{

cout << "" <<endl;

cout << "======" <<endl;

cout << "FEB S1" <<endl;

cout << "======" <<endl;

cout << "" <<endl;

cout << "Pilih kode prodi !" <<endl;

cout << "1. Manajemen" <<endl;

cout << "------------" <<endl;

cin >> kodeprodiB1;

switch ( kodeprodiB1 )

{

case 1 :

{

cout << "" <<endl;

cout << "====================" <<endl;

cout << "B11 FEB S1 Manajemen" <<endl;

cout << "====================" <<endl;

break;

}

default :

{

cout << "" <<endl;

cout << "Salah, coba lagi" <<endl;

break;

}

}

break;

}

case 2 :

{

cout << "" <<endl;

cout << "======" <<endl;

cout << "FEB D3" <<endl;

cout << "======" <<endl;

cout << "" <<endl;

cout << "Pilih kode prodi !" <<endl;

cout << "1. Akuntansi" <<endl;

cout << "------------" <<endl;

cin >> kodeprodiB2;

switch ( kodeprodiB2 )

{

case 1 :

{

cout << "" <<endl;

cout << "====================" <<endl;

cout << "B21 FEB D3 Akuntansi" <<endl;

cout << "====================" <<endl;

break;

}

default :

{

cout << "" <<endl;

cout << "Salah, coba lagi" <<endl;

break;

}

}

break;

}

default :

{

cout << "" <<endl;

cout << "Salah, coba lagi" <<endl;

break;

}

}

break;

}

default :

{

cout << "" <<endl;

cout << "Salah, coba lagi" <<endl;

break;

}

}

}

**Screenshot Hasil**

