

Nama : Muhammad Adam Alghifari

Npm : 2210010314

Kelas : Reg Pagi 3B BJB

```
1 #include <iostream>
2 #include <string.h>
3 using namespace std;
4
5 int main() {
6     string namaLengkap, npm;
7     int semester;
8     double nilaiTugas, nilaiUTS, nilaiUAS, nilaiPresensi;
9
10    cout << "Input Nama Lengkap: ";
11    getline(cin, namaLengkap);
12
13    cout << "Input Semester: ";
14    cin >> semester;
15
16    cout << "Input NPM: ";
17    cin >> npm;
18
19    cout << "Input Nilai Tugas: ";
20    cin >> nilaiTugas;
21
22    cout << "Input Nilai UTS: ";
23    cin >> nilaiUTS;
24
25    cout << "Input Nilai UAS: ";
26    cin >> nilaiUAS;
27
28    cout << "Input Nilai Presensi: ";
29    cin >> nilaiPresensi;
30
31    // Mengambil kode prodi dari NPM
32    string kodeProdi = npm.substr(2, 4);
33    string prodi;
34
35    if (kodeProdi == "1001") {
36        prodi = "TI";
37    } else if (kodeProdi == "1002") {
38        prodi = "SI";
39    } else {
40        prodi = "Prodi Tidak Dikenal";
41    }
42
43    // Menghitung nilai akhir
44    double nilaiAkhir = (0.3 * nilaiTugas) + (0.25 * nilaiUTS) + (0.35 * nilaiUAS) + (0.1 * nilaiPresensi);
45
46    // Menghitung grade berdasarkan nilai akhir
47    char grade;
48    if (nilaiAkhir >= 80) {
49        grade = 'A';
50    } else if (nilaiAkhir >= 75) {
51        grade = 'B';
52    } else if (nilaiAkhir >= 70) {
53        grade = 'B';
54    } else if (nilaiAkhir >= 65) {
55        grade = 'C';
56    } else if (nilaiAkhir >= 60) {
57        grade = 'C';
58    } else if (nilaiAkhir >= 50) {
59        grade = 'D';
60    } else {
61        grade = 'E';
62    }
63
64    cout << "\nHASIL\n";
65    cout << "-----\n";
66    cout << "Berikut hasil pencapaian anda pada semester ini:\n";
67    cout << "Nama: " << namaLengkap << endl;
68    cout << "Semester: " << semester << endl;
69    cout << "NPM: " << npm << endl;
70    cout << "Kode Prodi : " << kodeProdi << endl;
71    cout << "PRODI: " << prodi << endl;
72    cout << "NILAI AKHIR: " << nilaiAkhir << endl;
73    cout << "GRADE: " << grade << endl;
74
75    return 0;
76 }
```

```
Input Nama Lengkap: Muhammad Adam Alghifari
Input Semester: 3
Input NPM: 2210010314
Input Nilai Tugas: 90
Input Nilai UTS: 90
Input Nilai UAS: 90
Input Nilai Presensi: 100
```

HASIL

Berikut hasil pencapaian anda pada semester ini:

```
Nama: Muhammad Adam Alghifari
Semester: 3
NPM: 2210010314
Kode Prodi :1001
PRODI: TI
NILAI AKHIR: 91
GRADE: A
```

Process exited after 17.72 seconds with return value 0
Press any key to continue . . . |