```cpp
#include <iostream>
#include <string>

using namespace std;

float hitung_rata_rata(float nilai_tugas1, float nilai_tugas2, float
nilai_tugas3) {
    return (nilai_tugas1 + nilai_tugas2 + nilai_tugas3) / 3;
}

int main() {
    string nama, nim;
    float nilai_tugas1, nilai_tugas2, nilai_tugas3;

    cout << "Program Menghitung Nilai Rata-Rata Siswa" << endl;
    cout << "-------------------------------------" << endl;

    cout << "Masukkan NIM siswa: ";
    getline(cin, nim);

    cout << "Masukkan Nama siswa: ";
    getline(cin, nama);

    cout << "Masukkan Nilai Tugas 1: ";
    cin >> nilai_tugas1;

    cout << "Masukkan Nilai Tugas 2: ";
    cin >> nilai_tugas2;

    cout << "Masukkan Nilai Tugas 3: ";
    cin >> nilai_tugas3;
```

```cpp
    float rata_rata = hitung_rata_rata(nilai_tugas1, nilai_tugas2,
nilai_tugas3);


    cout << "\nHasil Perhitungan:" << endl;

    cout << "Nama Siswa: " << nama << endl;

    cout << "NIM Siswa: " << nim << endl;

    cout << "Nilai Rata-Rata: " << rata_rata << endl;


    return 0;
}
```

```cpp
#include <iostream>
#include <string>

using namespace std;

float hitung_nilai_akhir(float nilai_keaktifan, float nilai_tugas, float
nilai_ujian) {
    float nilai_murni_keaktifan = nilai_keaktifan * 0.20;
    float nilai_murni_tugas = nilai_tugas * 0.50;
    float nilai_murni_ujian = nilai_ujian * 0.30;
    float nilai_akhir = nilai_murni_keaktifan + nilai_murni_tugas +
nilai_murni_ujian;
    return nilai_akhir;
}

int main() {
    string nama;
    float nilai_keaktifan, nilai_tugas, nilai_ujian;

    cout << "Program Menghitung Nilai Akhir Siswa" << endl;
    cout << "----------------------------------" << endl;

    cout << "Masukkan Nama siswa: ";
    getline(cin, nama);

    cout << "Masukkan Nilai Keaktifan: ";
    cin >> nilai_keaktifan;

    cout << "Masukkan Nilai Tugas: ";
    cin >> nilai_tugas;

    cout << "Masukkan Nilai Ujian: ";
    cin >> nilai_ujian;
```

```cpp
    float nilai_akhir = hitung_nilai_akhir(nilai_keaktifan, nilai_tugas,
nilai_ujian);

    cout << "\nHasil Perhitungan:" << endl;

    cout << "Nama Siswa: " << nama << endl;

    cout << "Nilai Akhir: " << nilai_akhir << endl;

    return 0;
}
```