PENGUJIAN PERANGKAT LUNAK

PEMBUATAN DAN UNIT TESTING PENGHITUNGAN INDEX NILAI MAHASISWA



Oleh:

Agung Adhika Mas Pratama (1905551134)

PROGRAM STUDI TEKNOLOGI INFORMASI FAKULTAS TEKNIK UNIVERSITAS UDAYANA 2022

Program Main

```
and open the template in the editor.
        package programnilai;
             @author Agung
        import java.util.Scanner;
public class NilaiCoba {
   public static void main() {
        Scanner scan = new Scanner (System.in);
                     System.out.print("Nilai Tugas: ");
                     int nilai_tugas = scan.ne
                     System.out.print("Nilai UTS:
                     int nilai_uts = scan.ne
                                                              ();
21
22
                     System.out.print("Nilai UAS:
                     int nilai_uas = scan.ne
                                                             ();
24
                    Nilai Mhs = new Nilai (nilai_tugas, nilai_uts, nilai_uas);
                   System.out.println("========");
  System.out.println("Nama :"+Mhs.getNama());
System.out.println("Nilai :"+Mhs.getNilai());
System.out.println("Grade :"+Mhs.hitungGrade());
                      }
```

Fungsi Perhitungan Indeks Nilai Mahasiswa

```
package programnilai;

/**

* @author Agung

*/

class Nilai{
    private int nilai_uts, nilai_tugas, milai_um, nilai_akhir;
    private char grade;

public Nilai(int a, int b,int c, int d){
    nilai_uts=a;
    milai_uts=b;
    nilai_tugas=c;
    nilai_tugas=c;
    nilai_akhir=d;
}

Nilai(int nilai_tugas, int nilai_uts, int nilai_uas) {
    throw new UnsupportedOperationException("Not supported yet."); //To change body of generated methods, ch
}

public int perhitungan(){ //method kirim nama
    nilai_akhir = (int) (0.20 * nilai_tugas + 0.40 * nilai_uts + 0.40 * nilai_uts');
    return nilai_akhir;
}

public int getNilai(){ //method kirim nilai
    return nilai_akhir;
}
```

UNIT TESTING