

PEMROGRAMAN BERORIENTASI OBJEK

PROJECT UAS



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Dikumpulkan Tanggal:

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UNIVERSITAS PADJADJARAN
FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
Program Studi S-1 Teknik Informatika

2022

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this
template
 */
package CRUD;

import Koneksi.Koneksi;
import java.sql.ResultSet;

/**
 *
 * @author binta
 */
public class Kuliah {
    private String kode_kul, nama_kul;
    private int sks, semester;

    public Kuliah(String kode_kul, String nama_kul, int sks, int semester) {
        this.kode_kul = kode_kul;
        this.nama_kul = nama_kul;
        this.sks = sks;
        this.semester = semester;
    }

    public Kuliah(){}

    public String getKode_kul() {
        return kode_kul;
    }

    public void setKode_kul(String kode_kul) {
        this.kode_kul = kode_kul;
    }

    public String getNama_kul() {
        return nama_kul;
    }

    public void setNama_kul(String nama_kul) {

```

```

        this.nama_kul = nama_kul;
    }

    public int getSks() {
        return sks;
    }

    public void setSks(int sks) {
        this.sks = sks;
    }

    public int getSemester() {
        return semester;
    }

    public void setSemester(int semester) {
        this.semester = semester;
    }

    public int insert(){
        Koneksi Model = new Koneksi();
        String queryString = "INSERT INTO kuliah VALUES('" + this.kode_kul + "','" +
this.nama_kul + "','" + this.sks + "','" + this.semester + "')";

        int affectedRow = Model.query(queryString);
        return affectedRow;
    }

    public int update(){
        Koneksi Model = new Koneksi();
        String queryString = "UPDATE kuliah SET semester = '" + this.semester + "',
nama_kul = '" + this.nama_kul + "', sks = '" + this.sks + "' WHERE kode_kul = '"
        + this.kode_kul + "'";

        int affectedRow = Model.query(queryString);
        return affectedRow;
    }

    public int delete(String code){
        Koneksi Model = new Koneksi();
        String queryString = "DELETE FROM kuliah WHERE kode_kul = '" + code +
        "'";

```

```
        int affectedRow = Model.query(queryString);
        return affectedRow;
    }

    public void cari(String code){
        Koneksi Model = new Koneksi();
        String queryString = "DELETE FROM kuliah WHERE kode_kul = '" + code +
        """,
    }
}
```

```

import java.sql.*;
/**
 *
 * @author binta
 */
public class Mahasiswa {
    private String npm , nama_mhs, jenis_kelamin, alamat, date;
    private int no_telp;

    public Mahasiswa(){}
    public Mahasiswa(String npm, String nama_mhs, String jenis_kelamin, String alamat, String date,
int no_telp) {
        this.npm = npm;
        this.nama_mhs = nama_mhs;
        this.jenis_kelamin = jenis_kelamin;
        this.alamat = alamat;
        this.date = date;
        this.no_telp = no_telp;
    }

    public String getNpm() {
        return npm;
    }

    public void setNpm(String npm) {
        this.npm = npm;
    }

    public String getNama_mhs() {
        return nama_mhs;
    }

    public void setNama_mhs(String nama_mhs) {
        this.nama_mhs = nama_mhs;
    }

    public String getJenis_kelamin() {
        return jenis_kelamin;
    }

    public void setJenis_kelamin(String jenis_kelamin) {
        this.jenis_kelamin = jenis_kelamin;
    }

    public String getAlamat() {
        return alamat;
    }

    public void setAlamat(String alamat) {
        this.alamat = alamat;
    }

    public String getDate() {
        return date;
    }
}

```

```

public void setDate(String date) {
    this.date = date;
}

public int getNo_telp() {
    return no_telp;
}

public void setNo_telp(int no_telp) {
    this.no_telp = no_telp;
}

public int insert(){
    Koneksi Model = new Koneksi();
    String queryString = "INSERT INTO mahasiswa VALUES('" + this.npm + "','" + this.nama_mhs
+ "','" + this.jenis_kelamin + "','" + this.date + "','" + this.no_telp + "','" + this.alamat + "')";

    int affectedRow = Model.query(queryString);
    return affectedRow;
}

public int update(){
    Koneksi Model = new Koneksi();
    String queryString = "UPDATE mahasiswa SET nama_mhs = '" + this.nama_mhs + "',
jenis_kelamin = '" + this.jenis_kelamin + "', tgl_lahir = '" + this.date + "', no_telp = '" + this.no_telp +
"', alamat = '" + this.alamat + "' WHERE npm = '"
        + this.npm + "'";
    System.out.println(queryString);
    int affectedRow = Model.query(queryString);
    return affectedRow;
}

public int delete(String Cnpm){
    Koneksi Model = new Koneksi();
    String queryString = "DELETE FROM mahasiswa WHERE npm = '" + Cnpm + "'";

    int affectedRow = Model.query(queryString);
    return affectedRow;
}
}

```

```

/*
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 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package CRUD;
import Koneksi.Koneksi;
/**
 *
 * @author binta
 */
public class Nilai_kuliah {
    private String npm , kode_kul;
    private int nilai;

    public Nilai_kuliah(){ };
    public Nilai_kuliah(String npm, String kode_kul, int nilai) {
        this.npm = npm;
        this.kode_kul = kode_kul;
        this.nilai = nilai;
    }

    public String getNpm() {
        return npm;
    }

    public void setNpm(String npm) {
        this.npm = npm;
    }

    public String getKode_kul() {
        return kode_kul;
    }

    public void setKode_kul(String kode_kul) {
        this.kode_kul = kode_kul;
    }

    public int getNilai() {
        return nilai;
    }

    public void setNilai(int nilai) {
        this.nilai = nilai;
    }

    public int insert(){
        Koneksi Model = new Koneksi();
        String queryString = "INSERT INTO nilai_kuliah VALUES('" + this.npm + "','" + this.kode_kul
+ "','" + this.nilai + "')";

        int affectedRow = Model.query(queryString);
        return affectedRow;
    }

    public int update(){

```

```
Koneksi Model = new Koneksi();
String queryString = "UPDATE nilai_kuliah SET kode_kul = " + this.kode_kul + ", nilai = " +
this.nilai + " WHERE npm = " + this.npm + "" ;

int affectedRow = Model.query(queryString);
return affectedRow;
}

public int delete(String Nnpm){
    Koneksi Model = new Koneksi();
    String queryString = "DELETE FROM nilai_kuliah WHERE npm = " + Nnpm + "" ;

    int affectedRow = Model.query(queryString);
    return affectedRow;
}
}
```


OUTPUT PROGRAM

The screenshot shows a Java Swing window with a title bar and four tabs: 'Laporan', 'Kuliah', 'Mahasiswa' (selected), and 'Nilai Kuliah'. The main area has a red background. At the top, there are six input fields arranged in two columns: NPM, Nama, Jenis Kelamin on the left, and Tanggal Lahir, Telp, Alamat on the right. Below these fields are three buttons: 'Insert', 'Edit', and 'Delete'. At the bottom, there is a table with the following data:

NPM	Nama	Jenis Kelamin	Tanggal Lahir	Telp	Alamat
210068	Bintang	Pria	2002-10-09	1999	Bandung
210069	Arya	Pria	2002-10-09	19988	Bandung

At the bottom right of the window, there is a label: **AUTHOR: BINTANG-68**.

The screenshot shows a Java Swing window with a title bar and four tabs: 'Laporan', 'Kuliah', 'Mahasiswa', and 'Nilai Kuliah' (selected). The main area has a red background. At the top, there is a label: **Daftar Nilai Mata Kuliah Struktur Data**. Below this label is a table with the following data:

No	NPM	Nama	Nilai	HM	Keterangan
1	210068	B1	90	A	LULUS
2	210069	B2	99	A	LULUS

At the bottom right of the window, there is a label: **AUTHOR: BINTANG-68**.

Laporan

Kuliah

Mahasiswa

Nilai Kuliah

Kode

SKS

Nama Kuliah

Semester

Insert

Edit

Delete

Kode Kuliah	Nama Kuliah	SKS	Semester
B1	PBO	3	3
B2	SisDat II	3	3
B3	MetNum	3	3

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Laporan

Kuliah

Mahasiswa

Nilai Kuliah

NPM

Kode Kuliah

Nilai

Insert

Edit

Delete

NPM	Kode Kuliah	Nilai
210068	B1	90
210069	B2	99

AUTHOR:BINTANG-68

Nilai Kuliah

Kode Kull...

NPM

Nilai

NPM	Kode Kuliah	Nilai
210068	B1	90
210069	B2	99

Cari

Simpan

Back

FORM DELETE

Kode Kuliah

Kode Kuliah	Nama	SKS	Semester
B1	PBO	3	3
B2	SisDat II	3	3
B3	MetNum	3	3

Delete



Form Edit Perkuliahan

Kode Kuliah	Nama Kuliah	SKS	Semester	
B1	PBO	3	3	▲
B2	SisDat II	3	3	●
B3	MetNum	3	3	▼

Nama

Kode

SKS

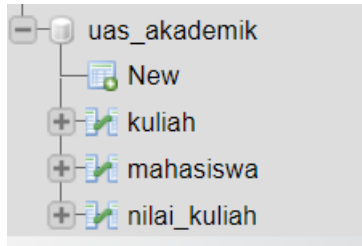
Semester

Simpan

Back

Cari

DATABASE



KULIAH

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	kode_kul	varchar(8)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2	nama_kul	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	sks	int(11)			No	None			Change Drop More
<input type="checkbox"/>	4	semester	int(11)			No	None			Change Drop More

MAHASISWA

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	npm	varchar(8)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2	nama_mhs	varchar(35)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	jenis_kelamin	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4	tgl_lahir	date			No	None			Change Drop More
<input type="checkbox"/>	5	no_tlp	int(11)			No	None			Change Drop More
<input type="checkbox"/>	6	alamat	varchar(45)	utf8mb4_general_ci		No	None			Change Drop More

NILAI KULIAH

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	npm	varchar(8)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2	kode_kul	varchar(8)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3	nilai	int(11)			No	None			Change Drop More