

<https://youtu.be/VcA6DF4O1Ro>

Aplikasi Program Kartu Hasil Studi Mahasiswa

Matakuliah Pemrograman Visual

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Tahun Pelajaran 2023/2024

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Screenshot Hasil Program

1. Tampilan awal program

Program Kartu Hasil Studi Mahasiswa

ID: Baru Keluar

Nama: Tambah

Kelas: Edit

Semester: Hapus

Matkul: Cetak

Kehadiran:

Tugas: Nilai:

UTS: Grade:

UAS: Status:

Hitung

No	Id	Nama	Kelas	Sem...	Matkul	Absen	Tugas	UTS	UAS	Nilai	Grade	Status
1	K001	Rafel	SI22...	3	Pem...	100	95	96	99	96.75	A	Lulus
2	K002	Rafel	SI22...	3	Man...	40	50	30	70	49.0	E	Men...
3	K003	Rafel	SI22...	3	Kea...	90	88	87	81	86.2	A	Lulus
4	K004	Rafel	SI22...	3	Pem...	81	78	75	77	77.3	B	Lulus
5	K005	Rafel	SI22...	3	Arsit...	90	93	88	80	88.2	A	Lulus
6	K006	Rafel	SI22...	3	Des...	100	80	50	60	69.5	C	Men...
7	K007	Rafel	SI22...	3	Inter...	100	98	93	95	96.2	A	Lulus
8	K008	Rafel	SI22...	3	Bah...	100	98	90	89	93.95	A	Lulus
9	M001	Enda	SI22...	3	Pem...	100	98	88	89	93.45	A	Lulus
10	M002	Enda	SI22...	3	Man...	80	98	88	83	89.95	A	Lulus
11	M003	Enda	SI22...	3	Kea...	69	70	65	60	66.15	C	Men...
12	M004	Enda	SI22...	3	Pem...	100	80	78	83	82.25	A	Lulus
13	M005	Enda	SI22...	3	Arsit...	100	78	78	81	80.95	A	Lulus

2. Tampilan menambahkan data

Program Kartu Hasil Studi Mahasiswa

ID: M006 Baru Keluar

Nama: Enda Tambah

Kelas: SI22A1 Edit

Semester: 3 Hapus

Matkul: Desain Database Cetak

Kehadiran: 98

Tugas: 89 Nilai: 86.65

UTS: 80 Grade: A

UAS: 85 Status: Lulus

Hitung

Message: Penyimpanan Data Berhasil OK

No	Id	Nama	Kelas	Sem...	Matkul	Absen	Tugas	UTS	UAS	Nilai	Grade	Status
1	K001	Rafel	SI22...	3	Pem...	100	95	96	99	96.75	A	Lulus
2	K002	Rafel	SI22...	3	Man...	40	50	30	70	49.0	E	Men...
3	K003	Rafel	SI22...	3	Kea...	90	88	87	81	86.2	A	Lulus
4	K004	Rafel	SI22...	3	Pem...	81	78	75	77	77.3	B	Lulus
5	K005	Rafel	SI22...	3	Arsit...	90	93	88	80	88.2	A	Lulus
6	K006	Rafel	SI22...	3	Des...	100	80	50	60	69.5	C	Men...
7	K007	Rafel	SI22...	3	Inter...	100	98	93	95	96.2	A	Lulus
8	K008	Rafel	SI22...	3	Bah...	100	98	90	89	93.95	A	Lulus
9	M001	Enda	SI22...	3	Pem...	100	98	88	89	93.45	A	Lulus
10	M002	Enda	SI22...	3	Man...	80	98	88	83	89.95	A	Lulus
11	M003	Enda	SI22...	3	Kea...	69	70	65	60	66.15	C	Men...
12	M004	Enda	SI22...	3	Pem...	100	80	78	83	82.25	A	Lulus
13	M005	Enda	SI22...	3	Arsit...	100	78	78	81	80.95	A	Lulus

3. Tampilan mengedit data

Program Kartu Hasil Studi Mahasiswa

ID: M006 Baru Keluar

Nama: Enda Tambah

Kelas: SI22A1 Edit

Semester: 3 Hapus

Matkul: Desain Database Cetak

Kehadiran: 80

Tugas: 89 Nilai: 84.85

UTS: 80 Grade: A

UAS: 85 Status: Lulus

Hitung

Message: Data Berhasil diubah OK

No	Id	Nama	Kelas	Sem...	Matkul	Absen	Tugas	UTS	UAS	Nilai	Grade	Status
1	K001	Rafel	SI22...	3	Pem...	100	95	96	99	96.75	A	Lulus
2	K002	Rafel	SI22...	3	Man...	40	50	30	70	49.0	E	Men...
3	K003	Rafel	SI22...	3	Kea...	90	88	87	81	86.2	A	Lulus
4	K004	Rafel	SI22...	3	Pem...	81	78	75	77	77.3	B	Lulus
5	K005	Rafel	SI22...	3	Arsit...	90	93	88	80	88.2	A	Lulus
6	K006	Rafel	SI22...	3	Des...	100	80	50	60	69.5	C	Men...
7	K007	Rafel	SI22...	3	Inter...	100	98	93	95	96.2	A	Lulus
8	K008	Rafel	SI22...	3	Bah...	100	98	90	89	93.95	A	Lulus
9	M001	Enda	SI22...	3	Pem...	100	98	88	89	93.45	A	Lulus
10	M002	Enda	SI22...	3	Man...	80	98	88	83	89.95	A	Lulus
11	M003	Enda	SI22...	3	Kea...	69	70	65	60	66.15	C	Men...
12	M004	Enda	SI22...	3	Pem...	100	80	78	83	82.25	A	Lulus
13	M005	Enda	SI22...	3	Arsit...	100	78	78	81	80.95	A	Lulus
14	M006	Enda	SI22...	3	Des...	98	89	80	85	86.65	A	Lulus

4. Tampilan menghapus data

Program Kartu Hasil Studi Mahasiswa

ID: M005 Baru Keluar

Nama: Enda Tambah

Kelas: SI22A1 Edit

Semester: 3 Hapus

Matkul: Desain Database Cetak

Kehadiran: 80

Tugas: 89 Nilai: 84.85

UTS: 80 Grade: A

UAS: 85 Status: Lulus

Hitung

No	ID	Nama	Kelas	Sem...	Matkul	Absen	Tugas	UTS	UAS	Nilai	Grade	Status
1	K001	Rafel	SI22...	3	Pem...	100	95	96	99	96.75	A	Lulus
2	K002	Rafel	SI22...	3	Man...	40	50	30	70	49.0	E	Men...
3	K003	Rafel	SI22...	3	Kea...	90	88	87	81	86.2	A	Lulus
4	K004	Rafel	SI22...	3	Pem...	81	78	75	77	77.3	B	Lulus
5	K005	Rafel	SI22...	3	Arsit...	90	93	88	80	88.2	A	Lulus
6	K006	Rafel	SI22...	3	Des...	100	80	50	60	69.5	C	Men...
7	K007	Rafel	SI22...	3	Inter...	100	98	93	95	96.2	A	Lulus
8	K008	Rafel	SI22...	3	Bah...	100	98	90	89	93.95	A	Lulus
9	M001	Enda	SI22...	3	Pem...	100	98	88	89	93.45	A	Lulus
10	M002	Enda	SI22...	3	Man...	80	98	88	83	89.95	A	Lulus
11	M003	Enda	SI22...	3	Kea...	69	70	65	60	66.15	C	Men...
12	M004	Enda	SI22...	3	Pem...	100	80	78	83	82.25	A	Lulus
13	M005	Enda	SI22...	3	Arsit...	100	78	78	81	80.95	A	Lulus
14	M006	Enda	SI22...	3	Des...	80	89	80	85	64.65	A	Lulus

Message: Data berhasil dihapus OK

5. Tampilan mencetak data

Program Kartu Hasil Studi Mahasiswa

ID: Baru Keluar

Nama: Tambah

Kelas: Edit

Semester: Hapus

Matkul: Cetak

Kehadiran: 80

Tugas: 89 Nilai: 84.85

UTS: 80 Grade: A

UAS: 85 Status: Lulus

Hitung

Data Tabel

Kartu Hasil Studi Mahasiswa

ID	Nama	Kelas	Semester	Matkul	Absen	Tugas	UTS	UAS	Nilai	Grade	Status
K001	Rafel	SI22A1	3	Pemrograman Visual	100	95	96	99	96.75	A	Lulus
K002	Rafel	SI22A1	3	Manajemen Sains	40	50	30	70	49.0	E	Mengulang
K003	Rafel	SI22A1	3	Keamanan Sistem Informasi	90	88	87	81	86.2	A	Lulus
K004	Rafel	SI22A1	3	Pemrograman Berorientasi Objek	81	78	75	77	77.3	B	Lulus
K005	Rafel	SI22A1	3	Arsitektur Perusahaan	90	93	88	80	88.2	A	Lulus
K006	Rafel	SI22A1	3	Desain Database	100	80	50	60	69.5	C	Mengulang
K007	Rafel	SI22A1	3	Interaksi Manusia dan Komputer	100	98	93	95	96.2	A	Lulus
K008	Rafel	SI22A1	3	Bahasa Inggris 3	100	98	90	89	93.95	A	Lulus
M001	Enda	SI22A1	3	Pemrograman Visual	100	98	88	89	93.45	A	Lulus
M002	Enda	SI22A1	3	Manajemen Sains	80	98	88	83	89.95	A	Lulus
M003	Enda	SI22A1	3	Keamanan Sistem Informasi	69	70	65	60	66.15	C	Mengulang
M004	Enda	SI22A1	3	Pemrograman Berorientasi Objek	100	80	78	83	82.25	A	Lulus
M005	Enda	SI22A1	3	Arsitektur Perusahaan	100	78	78	81	80.95	A	Lulus

6. Tampilan hitung

Program Kartu Hasil Studi Mahasiswa

ID: M005 Baru Keluar

Nama: Enda Tambah

Kelas: SI22A1 Edit

Semester: 3 Hapus

Matkul: Arsitektur Perusahaan Cetak

Kehadiran: 70

Tugas: 78 Nilai: 77.95

UTS: 78 Grade: B

UAS: 81 Status: Lulus

Hitung

No	ID	Nama	Kelas	Sem...	Matkul	Absen	Tugas	UTS	UAS	Nilai	Grade	Status
1	K001	Rafel	SI22...	3	Pem...	100	95	96	99	96.75	A	Lulus
2	K002	Rafel	SI22...	3	Man...	40	50	30	70	49.0	E	Men...
3	K003	Rafel	SI22...	3	Kea...	90	88	87	81	86.2	A	Lulus
4	K004	Rafel	SI22...	3	Pem...	81	78	75	77	77.3	B	Lulus
5	K005	Rafel	SI22...	3	Arsit...	90	93	88	80	88.2	A	Lulus
6	K006	Rafel	SI22...	3	Des...	100	80	50	60	69.5	C	Men...
7	K007	Rafel	SI22...	3	Inter...	100	98	93	95	96.2	A	Lulus
8	K008	Rafel	SI22...	3	Bah...	100	98	90	89	93.95	A	Lulus
9	M001	Enda	SI22...	3	Pem...	100	98	88	89	93.45	A	Lulus
10	M002	Enda	SI22...	3	Man...	80	98	88	83	89.95	A	Lulus
11	M003	Enda	SI22...	3	Kea...	69	70	65	60	66.15	C	Men...
12	M004	Enda	SI22...	3	Pem...	100	80	78	83	82.25	A	Lulus
13	M005	Enda	SI22...	3	Arsit...	100	78	78	81	80.95	A	Lulus

7. Tampilan tombol baru

Program Kartu Hasil Studi Mahasiswa

ID Baru Keluar

Nama Tambah

Kelas Edit

Semester Hapus

Matkul Cetak

Kehadiran

Tugas Nilai

UTS Grade

UAS Status

Hitung

No	Id	Nama	Kelas	Sem...	Matkul	Absen	Tugas	UTS	UAS	Nilai	Grade	Status
1	K001	Rafel	SI22...	3	Pem...	100	95	96	99	96.75	A	Lulus
2	K002	Rafel	SI22...	3	Man...	40	50	30	70	49.0	E	Men...
3	K003	Rafel	SI22...	3	Kea...	90	88	87	81	86.2	A	Lulus
4	K004	Rafel	SI22...	3	Pem...	81	78	75	77	77.3	B	Lulus
5	K005	Rafel	SI22...	3	Arsit...	90	93	88	80	88.2	A	Lulus
6	K006	Rafel	SI22...	3	Des...	100	80	50	60	69.5	C	Men...
7	K007	Rafel	SI22...	3	Inter...	100	98	93	95	96.2	A	Lulus
8	K008	Rafel	SI22...	3	Bah...	100	98	90	89	93.95	A	Lulus
9	M001	Enda	SI22...	3	Pem...	100	98	88	89	93.45	A	Lulus
10	M002	Enda	SI22...	3	Man...	80	98	88	83	89.95	A	Lulus
11	M003	Enda	SI22...	3	Kea...	69	70	65	60	66.15	C	Men...
12	M004	Enda	SI22...	3	Pem...	100	80	78	83	82.25	A	Lulus
13	M005	Enda	SI22...	3	Arsit...	100	78	78	81	80.95	A	Lulus

Data Component dan Palette

Swings Controls	Properties	Change Variable Name
Label 1	Program Kartu Hasil Studi Mahasiswa	
Label 2 - 13	ID, Nama, Kelas, Semester, Matkul, Kehadiran, Tugas, UTS, UAS, Nilai, Grade, Status	
Text Field 1 - 11	Kosong	txtid, txtnama, txtkelas, txtsemester, txthadir, txttugas, txtuts, txtuas, hnilai, hgrade, hstatus
Combo Box	Pemrograman Visual, Manajemen Sains, Keamanan Sistem Informasi, Pemrograman Berorientasi Objek, Arsitektur Perusahaan, Desain Database, Interaksi Manusia dan Komputer, Bahasa Inggris 3	cbmatkul
Button 1 - 7	Hitung, Baru, Keluar, Tambah, Edit, Hapus, Cetak	bhitung, bbaru, bkeluar, btambah, bedit, bhapus, bcetak
Table 1	Default	jTable1

Salinan Coding

a. Baru

```
private void bbaruActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    kosong();
}
```

b. Keluar

```
private void bkeluarActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    System.exit(0);  
}
```

c. Tambah

```
private void btambahActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    try (var pst = con.prepareStatement("insert into khs (id, nama, kelas, semester,  
matkul, hadir, tugas, uts, uas, nilai, grade, status) values (?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)")) {  
        // Set values using parameter placeholders  
        pst.setString(1, txtid.getText());  
        pst.setString(2, txtnama.getText());  
        pst.setString(3, txtkelas.getText());  
        pst.setString(4, txtsemester.getText());  
        pst.setString(5, cbmatkul.getSelectedItem().toString());  
        pst.setInt(6, Integer.parseInt(txthadir.getText())); // Convert harga to int  
        pst.setInt(7, Integer.parseInt(txttugas.getText())); // Convert jumlah to int  
        pst.setInt(8, Integer.parseInt(txtuts.getText())); // Convert htotal to int  
        pst.setInt(9, Integer.parseInt(txtuas.getText())); // Convert htotal to int  
        pst.setString(10, hnilai.getText());  
        pst.setString(11, hgrade.getText());  
        pst.setString(12, hstatus.getText());  
  
        pst.executeUpdate();  
        JOptionPane.showMessageDialog(null, "Penyimpanan Data Berhasil");  
    } catch (SQLException ex) { // Handle SQLException instead of general Exception  
        JOptionPane.showMessageDialog(null, "Error adding data: " + ex.getMessage());  
        Logger.getLogger(Khs.class.getName()).log(Level.SEVERE, null, ex);  
    }  
  
    tabel();  
    koneksi();  
}
```

d. Edit

```
private void beditActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    try {  
        String sql = "UPDATE khs SET "  
            + "nama=?, id=?, kelas=?, semester=?, matkul=?, hadir=?, tugas=?, uts=?, uas=?,  
nilai=?, grade=?, status=? WHERE id=?";  
        try {
```

```

        Class.forName("com.mysql.cj.jdbc.Driver");
    } catch (ClassNotFoundException ex) {
        Logger.getLogger(Khs.class.getName()).log(Level.SEVERE, null, ex);
    }

    con = DriverManager.getConnection("jdbc:mysql://localhost/uas_pemrog", "root",
"12345678");
    java.sql.PreparedStatement pst = con.prepareStatement(sql);

    // Set parameter values using prepared statement
    pst.setString(1, txtnama.getText());
    pst.setString(2, txtid.getText());
    pst.setString(3, txtkelas.getText());
    pst.setString(4, txtsemester.getText());
    pst.setString(5, cbmatkul.getSelectedItem().toString());
    pst.setString(6, txthadir.getText());
    pst.setString(7, txttugas.getText());
    pst.setString(8, txtuts.getText());
    pst.setString(9, txtuas.getText());
    pst.setString(10, hnilai.getText());
    pst.setString(11, hgrade.getText());
    pst.setString(12, hstatus.getText());
    pst.setString(13, txtid.getText());

    pst.executeUpdate();
    JOptionPane.showMessageDialog(null, "Data Berhasil diubah");

} catch (SQLException e) {
    JOptionPane.showMessageDialog(null, "Merubah Data Gagal: " + e.getMessage());
}

tabel();
koneksi();
}

```

e. Hapus

```

private void bhapusActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        int dialogButton = JOptionPane.YES_NO_OPTION;
        int dialogResult = JOptionPane.showConfirmDialog(this, "Anda yakin ingin
menghapus data?", "Hapus Data", dialogButton);
        if (dialogResult == 0) {
            // Jika pengguna menekan tombol "Yes"
            String idToDelete = txtid.getText();

```

```

String sql = "DELETE FROM khs WHERE id =?";

try (var pst = con.prepareStatement(sql)) {
    pst.setString(1, idToDelete);
    pst.executeUpdate();
    JOptionPane.showMessageDialog(null, "Data berhasil dihapus");
    tabel();
    kosong();
}
}
} catch (Exception ex) {
    JOptionPane.showMessageDialog(null, "Error deleting student: " +
ex.getMessage());
    Logger.getLogger(Khs.class.getName()).log(Level.SEVERE, null, ex);
}
}

```

f. Hitung

```

private void bhitungActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String id = txtid.getText();
    String nama = txtnama.getText();
    String kelas = txtkelas.getText();
    String semester = txtsemester.getText();
    String matkul = cbmatkul.getSelectedItem().toString();

    int absen = Integer.parseInt(txthadir.getText());
    int tugas = Integer.parseInt(txttugas.getText());
    int uts = Integer.parseInt(txtuts.getText());
    int uas = Integer.parseInt(txtuas.getText());
    double hsl = (0.1*absen) + (0.4*tugas) + (0.25*uts) + (0.25*uas);
    hnilai.setText(String.valueOf(hsl));

    //Output dari Program berupa Nilai Akhir, Grade dan Keterangan
    if (hsl >= 80) {
        hgrade.setText("A");
        hstatus.setText("Lulus");
    }
    else if (hsl >= 70) {
        hgrade.setText("B");
        hstatus.setText("Lulus");
    }
    else if (hsl >= 60) {

```



```

        hgrade.setText("C");
        hstatus.setText("Mengulang");
    }
    else if (hsl >= 50) {
        hgrade.setText("D");
        hstatus.setText("Mengulang");
    }
    else if (hsl >= 1) {
        hgrade.setText("E");
        hstatus.setText("Mengulang");
    }
    else {
        hgrade.setText("E");
        hstatus.setText("Mengulang");
    }
}

private void btambahActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try (var pst = con.prepareStatement("insert into khs (id, nama, kelas, semester,
matkul, hadir, tugas, uts, uas, nilai, grade, status) values (?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)")) {
        // Set values using parameter placeholders
        pst.setString(1, txtid.getText());
        pst.setString(2, txtnama.getText());
        pst.setString(3, txtkelas.getText());
        pst.setString(4, txtsemester.getText());
        pst.setString(5, cbmatkul.getSelectedItem().toString());
        pst.setInt(6, Integer.parseInt(txthadir.getText())); // Convert harga to int
        pst.setInt(7, Integer.parseInt(txttugas.getText())); // Convert jumlah to int
        pst.setInt(8, Integer.parseInt(txtuts.getText())); // Convert htotal to int
        pst.setInt(9, Integer.parseInt(txtuas.getText())); // Convert htotal to int
        pst.setString(10, hnilai.getText());
        pst.setString(11, hgrade.getText());
        pst.setString(12, hstatus.getText());

        pst.executeUpdate();
        JOptionPane.showMessageDialog(null, "Penyimpanan Data Berhasil");
    } catch (SQLException ex) { // Handle SQLException instead of general Exception
        JOptionPane.showMessageDialog(null, "Error adding data: " + ex.getMessage());
        Logger.getLogger(Khs.class.getName()).log(Level.SEVERE, null, ex);
    }

    tabel();
    koneksi();
}

```

g. Cetak

```
private void bcetakActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        String query = "SELECT * FROM Khs";
        try (ResultSet resultSet = stat.executeQuery(query)) {
            // Mengumpulkan data dari hasil query
            StringBuilder output = new StringBuilder();
            output.append("<html><body style='text-align:center;'><h1 style='color:red; font-size:24pt;'>Kartu Hasil Studi Mahasiswa</h1><table border='1' style='margin:auto;'>");

            output.append("<tr><th>Id</th><th>Nama</th><th>Kelas</th><th>Semester</th><th>Matkul</th><th>Absen</th><th>Tugas</th><th>UTS</th><th>UAS</th><th>Nilai</th><th>Grade</th><th>Status</th></tr>");

            int no = 1;
            while (resultSet.next()) {
                String id = resultSet.getString("id");
                String nama = resultSet.getString("nama");
                String kelas = resultSet.getString("kelas");
                String semester = resultSet.getString("semester");
                String matkul = resultSet.getString("matkul");
                String hadir = resultSet.getString("hadir");
                String tugas = resultSet.getString("tugas");
                String uts = resultSet.getString("uts");
                String uas = resultSet.getString("uas");
                String nilai = resultSet.getString("nilai");
                String grade = resultSet.getString("grade");
                String status = resultSet.getString("status");

                // Menambahkan data ke StringBuilder dengan format HTML
                output.append("<tr>")
                    .append("<td>").append(id).append("</td>")
                    .append("<td>").append(nama).append("</td>")
                    .append("<td>").append(kelas).append("</td>")
                    .append("<td>").append(semester).append("</td>")
                    .append("<td>").append(matkul).append("</td>")
                    .append("<td>").append(hadir).append("</td>")
                    .append("<td>").append(tugas).append("</td>")
                    .append("<td>").append(uts).append("</td>")
                    .append("<td>").append(uas).append("</td>")
                    .append("<td>").append(nilai).append("</td>")
                    .append("<td>").append(grade).append("</td>")
                    .append("<td>").append(status).append("</td>")
```

```

        .append("</tr>");
    }
    output.append("</table></body></html>");

    // Membuat jendela baru untuk menampilkan data
    JDialog dialog = new JDialog();
    dialog.setTitle("Data Tabel");
    dialog.setSize(600, 500);

    // Membuat JEditorPane untuk menampilkan data HTML
    JEditorPane editorPane = new JEditorPane();
    editorPane.setContentType("text/html");
    editorPane.setText(output.toString());
    editorPane.setEditable(false);

    JScrollPane scrollPane = new JScrollPane(editorPane);
    dialog.add(scrollPane);

    // Menampilkan jendela
    dialog.setVisible(true);
    tabel();
}
} catch (SQLException ex) {
    JOptionPane.showMessageDialog(null, "Error fetching and displaying data: " +
ex.getMessage());
    ex.printStackTrace();
}

}

```

h. Menampilkan tabel sql dan membuat koneksi di PHP MyAdmin

```

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import javax.swing.JDialog;
import javax.swing.JEditorPane;
import javax.swing.JScrollPane;
import javax.swing.JTextArea;
import javax.swing.table.DefaultTableModel;

```

```

public class Khs extends javax.swing.JFrame {
    private Connection con;
    private Statement stat;
    private ResultSet res;
    /**
     * Creates new form Khs
     */
    public Khs() {
        initComponents();
        koneksi();
        tabel();
        kosong();
    }

    private void koneksi(){
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            con=DriverManager.getConnection("jdbc:mysql://localhost/uas_pemrog", "root",
            "12345678");
            stat = con.createStatement();
        } catch (ClassNotFoundException | SQLException e) {
            JOptionPane.showMessageDialog(null, e);
        }
    }

    private void kosong() {
        txtid.setText(null);
        txtnama.setText(null);
        txtkelas.setText(null);
        txtsemester.setText(null);
        cbmatkul.setSelectedItem(null);
        txthadir.setText(null);
        txttugas.setText(null);
        txtuts.setText(null);
        txtuas.setText(null);
        hnilai.setText(null);
        hgrade.setText(null);
        hstatus.setText(null);
    }

    private void tabel(){
        DefaultTableModel tb= new DefaultTableModel();

        int no=1;
        tb.addColumn("No");
    }

```

```

tb.addColumn("Id");
tb.addColumn("Nama");
tb.addColumn("Kelas");
tb.addColumn("Semester");
tb.addColumn("Matkul");
tb.addColumn("Absen");
tb.addColumn("Tugas");
tb.addColumn("UTS");
tb.addColumn("UAS");
tb.addColumn("Nilai");
tb.addColumn("Grade");
tb.addColumn("Status");
jTable1.setModel(tb);
try{
    res=stat.executeQuery("select * from Khs");
    while (res.next())
    {
        // Mengambil data dari database berdasarkan nama kolom pada tabel
        // Lalu di tampilkan ke dalam JTable
        tb.addRow(new Object[]
        {no++,res.getString(1),res.getString(2),res.getString(3),res.getString(4),res.getString(5),res.getString(6),res.getString(7),res.getString(8),res.getString(9),res.getString(10),res.getString(11),res.getString(12)});
    }

}
}catch (Exception e){
}
}

```

i. Click Mouse

```

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    int baris = jTable1.rowAtPoint(evt.getPoint());
    String id = jTable1.getValueAt(baris,1).toString();
    txtid.setText(id);
    String nama = jTable1.getValueAt(baris,2).toString();
    txtnama.setText(nama);
    String kelas = jTable1.getValueAt(baris,3).toString();
    txtkelas.setText(kelas);
    String semester = jTable1.getValueAt(baris,4).toString();
    txtsemester.setText(semester);
    String matkul = jTable1.getValueAt(baris,5).toString();
    cbmatkul.setSelectedItem(matkul);
}

```

```
String hadir = jTable1.getValueAt(baris,6).toString();
txthadir.setText(hadir);
String tugas = jTable1.getValueAt(baris,7).toString();
txttugas.setText(tugas);
String uts = jTable1.getValueAt(baris,8).toString();
txtuts.setText(uts);
String uas = jTable1.getValueAt(baris,9).toString();
txtuas.setText(uas);
String nilai = jTable1.getValueAt(baris,10).toString();
hnilai.setText(nilai);
String grade = jTable1.getValueAt(baris,11).toString();
hgrade.setText(grade);
String status = jTable1.getValueAt(baris,12).toString();
hstatus.setText(status);
}
```