

## PERTEMUAN 17

Materi pertemuan 17 membuat proyek aplikasi database yang akan di hubungkan dengan database yang sudah dibuat sebelumnya, langkah pertama dalam membuat bisa dimulai dengan membuat proyek dan membuat desain :

1. Buatlah proyek dengan nama “namaKamu\_futsal”
2. Buatlah package “member”
3. Buatlah JFrame didalam package member dengan nama “namaKamu\_daftarMember”
4. Desain UI seperti berikut ini :

5. Persiapkan variabel properties di class ini :

```
/**
 *
 * @author Nicky
 */
public class niki_daftarMember extends javax.swing.JFrame {

    String id, nama="", team="", jk="", no_hp="", tgl="", bln="", thn="", tgl="";

    /**
     * Creates new form niki_daftarMember
     */
    public niki_daftarMember() {
        initComponents();
    }
}
```

6. Buat Method kosongkan :

```
public niki_daftarMember() {  
    initComponents();  
}  
void kosongkan() {  
    jTextField1.setText("");  
    jTextField2.setText("");  
    jTextField3.setText("");  
    jTextField4.setText("");  
    jTextField5.setText("");  
    jRadioButton1.setSelected(false);  
    jRadioButton2.setSelected(false);  
    jComboBox1.setSelectedIndex(-1);  
}
```

7. Pada Radio Button masukkan perintah :

```
private void jRadioButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    jk="Laki-laki";  
    jRadioButton2.setSelected(false);  
}
```

Untuk yang perempuan :

```
private void jRadioButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    jk="Perempuan";  
    jRadioButton1.setSelected(false);  
}
```

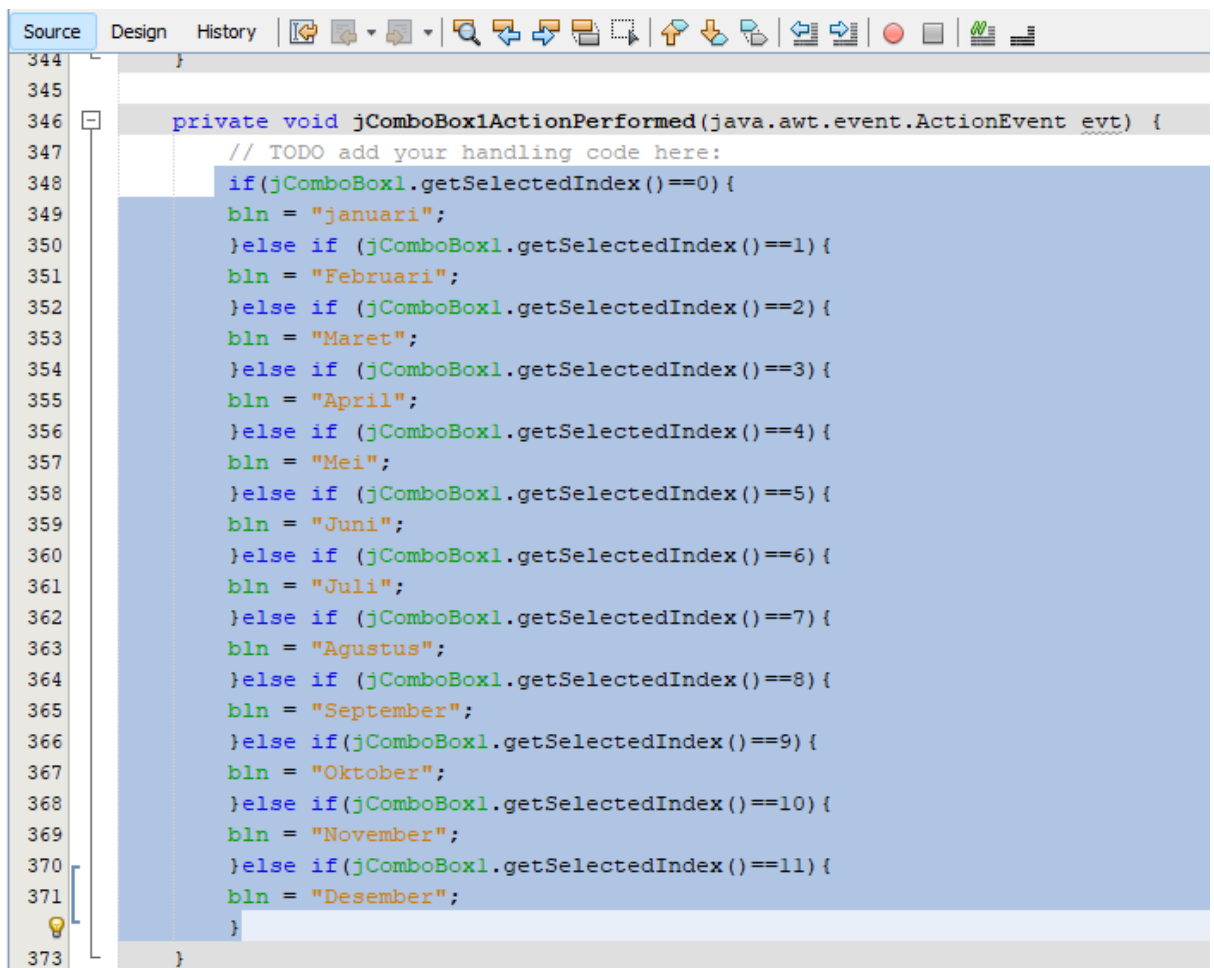
8. Untuk ComboBox masukka perintah :

```
if(jComboBox1.getSelectedIndex()==0){  
    bln = "januari";  
} else if (jComboBox1.getSelectedIndex()==1){  
    bln = "Februari";  
} else if (jComboBox1.getSelectedIndex()==2){  
    bln = "Maret";  
} else if (jComboBox1.getSelectedIndex()==3){  
    bln = "April";  
} else if (jComboBox1.getSelectedIndex()==4){  
    bln = "Mei";  
} else if (jComboBox1.getSelectedIndex()==5){  
    bln = "Juni";
```

```

    }else if (jComboBox1.getSelectedIndex()==6){
        bln = "Juli";
    }else if (jComboBox1.getSelectedIndex()==7){
        bln = "Agustus";
    }else if (jComboBox1.getSelectedIndex()==8){
        bln = "September";
    }else if(jComboBox1.getSelectedIndex()==9){
        bln = "Oktober";
    }else if(jComboBox1.getSelectedIndex()==10){
        bln = "November";
    }else if(jComboBox1.getSelectedIndex()==11){
        bln = "Desember";
    }
}

```



The screenshot shows an IDE window with a toolbar at the top. The 'Source' tab is active, displaying a Java code file. The code is a private method named `jComboBox1ActionPerformed` that takes a `java.awt.event.ActionEvent` parameter. It contains a series of `if-else` statements that map the selected index of `jComboBox1` to a month name in Indonesian. The code is highlighted in blue. The line numbers on the left range from 344 to 373.

```

344     }
345
346     private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {
347         // TODO add your handling code here:
348         if(jComboBox1.getSelectedIndex()==0){
349             bln = "januari";
350         }else if (jComboBox1.getSelectedIndex()==1){
351             bln = "Februari";
352         }else if (jComboBox1.getSelectedIndex()==2){
353             bln = "Maret";
354         }else if (jComboBox1.getSelectedIndex()==3){
355             bln = "April";
356         }else if (jComboBox1.getSelectedIndex()==4){
357             bln = "Mei";
358         }else if (jComboBox1.getSelectedIndex()==5){
359             bln = "Juni";
360         }else if (jComboBox1.getSelectedIndex()==6){
361             bln = "Juli";
362         }else if (jComboBox1.getSelectedIndex()==7){
363             bln = "Agustus";
364         }else if (jComboBox1.getSelectedIndex()==8){
365             bln = "September";
366         }else if (jComboBox1.getSelectedIndex()==9){
367             bln = "Oktober";
368         }else if (jComboBox1.getSelectedIndex()==10){
369             bln = "November";
370         }else if (jComboBox1.getSelectedIndex()==11){
371             bln = "Desember";
372         }
373     }

```

9. Masukkan perintah simpan pada button Simpan :

nama = jTextField1.getText();
team = jTextField2.getText();
no_hp = jTextField3.getText();
tgl = jTextField4.getText();
thn = jTextField5.getText();
id=tgl+no_hp+thn;
tbl=tgl+"-"+bln+"-"+thn;
if (nama.isEmpty() ) {
JOptionPane.showMessageDialog(null," Nama tidak boleh kosong");
jTextField1.requestFocus();
} else
if (team.isEmpty() ) {
JOptionPane.showMessageDialog(null,"Team tidak boleh kosong");
jTextField2.requestFocus();
} else
if (no_hp.isEmpty() ) {
JOptionPane.showMessageDialog(null,"No HP tidak boleh kosong");
jTextField3.requestFocus();
} else
if (jk.isEmpty() ) {
JOptionPane.showMessageDialog(null,"Jenis Kelamin tidak boleh kosong");
} else
if (tgl.isEmpty() ) {
JOptionPane.showMessageDialog(null,"Tanggal tidak boleh kosong");
jTextField4.requestFocus();
} else
if (bln.isEmpty() ) {
JOptionPane.showMessageDialog(null,"Bulan tidak boleh kosong");

}else
if (thn.isEmpty() ) {
JOptionPane.showMessageDialog(null,"Tahun tidak boleh kosong");
jTextField5.requestFocus();
}else{
try{
Connection conn=(Connection)koneksi.koneksiDB();
Statement stt=conn.createStatement();
stt.executeUpdate("insert into member(id,nama,team,jk,no_hp,tgl_lahir)+"
"VALUES('"+id+"','"+nama+"','"+team+"','"+jk+"','"+no_hp+"','"+tbl+"')");
JOptionPane.showMessageDialog(this,"Data berhasil disimpan","Success",JOptionPane.INFORMATION_MESSAGE);
kosongkan();
} catch(SQLException e){
JOptionPane.showMessageDialog(this,"Simpan data gagal\n"+e.getMessage(),"Error",JOptionPane.ERROR_MESSAGE);
}
}
kosongkan();

Atau bisa lihat tampilan berikut ini :

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:

    nama = jTextField1.getText();
    team = jTextField2.getText();
    no_hp = jTextField3.getText();
    tgl = jTextField4.getText();
    thn = jTextField5.getText();
    id=tgl+no_hp+thn;
    tbl=tgl+"-"+tbln+"-"+thn;

    if (nama.isEmpty() ) {
        JOptionPane.showMessageDialog(null,"Nama tidak boleh kosong");
        jTextField1.requestFocus();
    }else
    if (team.isEmpty() ) {
        JOptionPane.showMessageDialog(null,"Team tidak boleh kosong");
        jTextField2.requestFocus();
    }else
    if (no_hp.isEmpty() ) {
        JOptionPane.showMessageDialog(null,"No HP tidak boleh kosong");
        jTextField3.requestFocus();
    }else
    if (jk.isEmpty() ) {
        JOptionPane.showMessageDialog(null,"Jenis Kelamin tidak boleh kosong");
    }
}
```

```

    }else
    if (tgl.isEmpty() ) {
        JOptionPane.showMessageDialog(null,"Tanggal tidak boleh kosong");
        jTextField4.requestFocus();
    }else
    if (bln.isEmpty() ) {
        JOptionPane.showMessageDialog(null,"Bulan tidak boleh kosong");
    }else
    if (thn.isEmpty() ) {
        JOptionPane.showMessageDialog(null,"Tahun tidak boleh kosong");
        jTextField5.requestFocus();
    }else{

try{
    Connection conn=(Connection)koneksi.koneksiDB();
    Statement stt=conn.createStatement();
    stt.executeUpdate("insert into member(id,nama,team,jk,no_hp,tgl_lahir) "+
        "VALUES ('"+id+"','"+nama+"','"+team+"','"+jk+"','"+no_hp+"','"+tbl+"')");

    JOptionPane.showMessageDialog(this,"Data berhasil disimpan","Success",JOptionPane.INFORMATION_MESSAGE);
    kosongkan();
} catch (SQLException e){
    JOptionPane.showMessageDialog(this,"Simpan data gagal\n"+e.getMessage(),"Error",JOptionPane.ERROR_MESSAGE);
}
}

kosongkan();
}

```

10. Buatlah new class java pada package “member” dengan nama “koneksi”

public class koneksi {
private static Connection KoneksiDatabase;
public static Connection koneksiDB() throws SQLException {
try {
String DB ="jdbc:mysql://localhost/aplikasidatabasefutsal";
String user="root";
String pass="";
DriverManager.registerDriver(new com.mysql.jdbc.Driver());
KoneksiDatabase = (Connection) DriverManager.getConnection(DB,user,pass);
} catch (Exception e) {
JOptionPane.showMessageDialog(null,"Tidak ada koneksi","Error",
JOptionPane.INFORMATION_MESSAGE);
System.err.println(e.getMessage());
System.exit(0);
}
return KoneksiDatabase;
}
}

Atau dapat dilihat seperti berikut ini :

```

Start Page x niki_daftarMember.java x produk.java x koneksi.java x index.java x koneksi.java x
Source History
6
7 package member;
8
9 import java.sql.Connection;
10 import java.sql.DriverManager;
11 import java.sql.SQLException;
12 import javax.swing.JOptionPane;
13
14 /**
15  *
16  * @author Nicky
17  */
18 public class koneksi {
19     private static Connection KoneksiDatabase;
20     public static Connection koneksiDB() throws SQLException {
21         try {
22             String DB ="jdbc:mysql://localhost/aplikasidatabasefutsal";
23             String user="root";
24             String pass="";
25             DriverManager.registerDriver(new com.mysql.jdbc.Driver());
26             KoneksiDatabase = (Connection) DriverManager.getConnection(DB,user,pass);
27         } catch (Exception e) {
28             JOptionPane.showMessageDialog(null,"Tidak ada koneksi","Error",
29                 JOptionPane.INFORMATION_MESSAGE);
30             System.err.println(e.getMessage());
31             System.exit(0);
32         }
33         return KoneksiDatabase;
34     }
35 }
36

```

11. Silakan jalankan program, run File pada JFrameForm “daftar\_member”

Bisa di lihat didalam database :

Server: 127.0.0.1 Database: aplikasidatabasefutsal Table: member

Showing rows 0 - 5 (6 total, Query took 0.0003 seconds.)

SELECT \* FROM `member`

Number of rows: 25 Filter rows: Search this table Sort by key: None

	id	nama	team	jk	no_hp	tgl_lahir
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete			Macan	Perempuan	09121212	12-Maret-1991
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	121212	12	12	Perempuan	12	12-Maret-12
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	222		2	Perempuan	2	2-Maret-2
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	240812789821111991	Niki Ratama	Tiger Fight	Laki-laki	081278982111	24-November-1991
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	24081287625331994	Ridho Muhammad	Sahabat Area	Laki-laki	081287625333	24-November-1994
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	niki	niki	work	Laki-laki	0876767	12-Maret-1991

Number of rows: 25 Filter rows: Search this table Sort by key: None