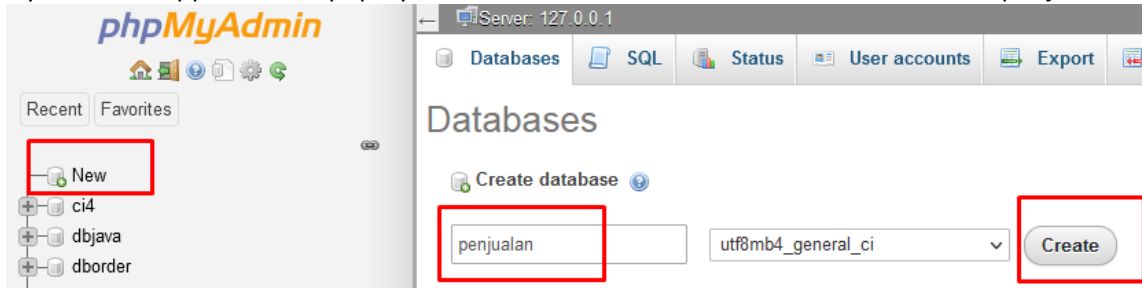
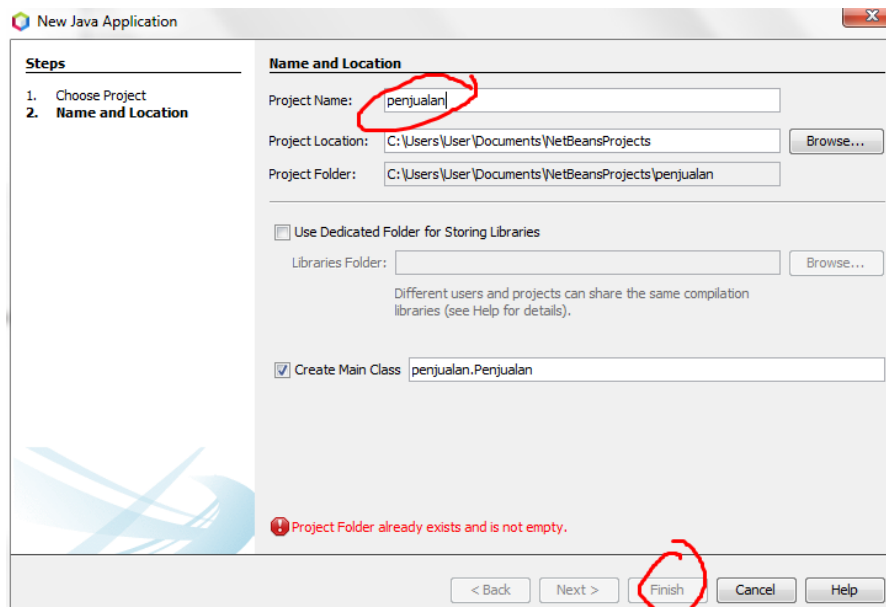
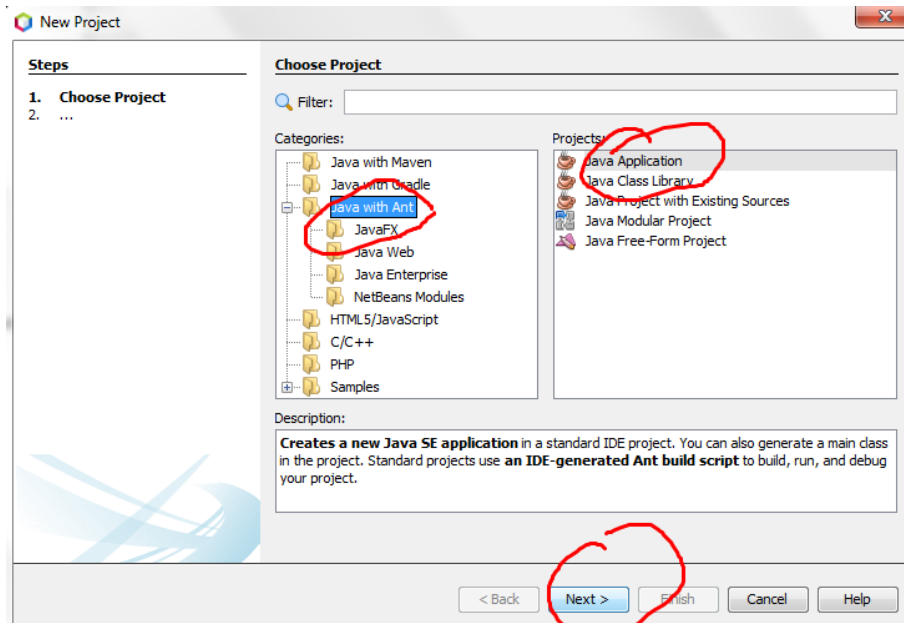
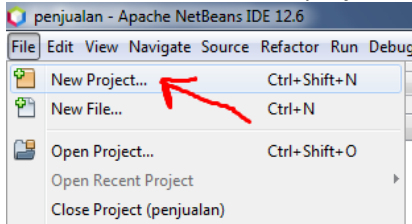


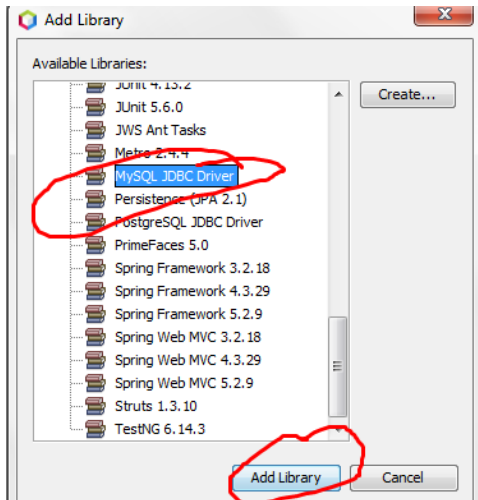
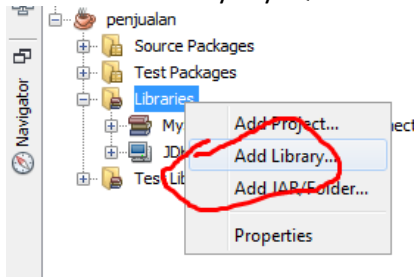
1. Nyalakan Xampp lalu buka phpmyadmin di browser. Buat database baru bernama “penjualan”



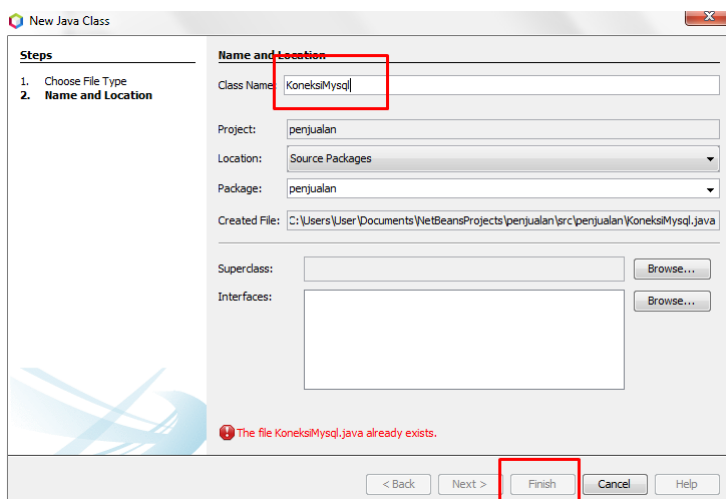
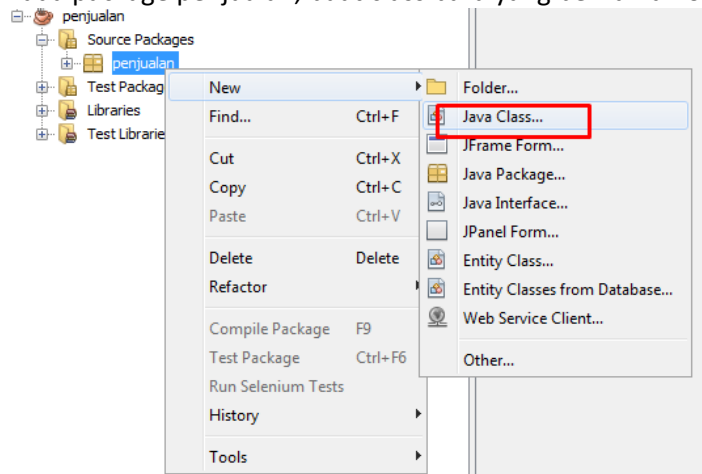
2. Buka Netbeans lalu buat project baru bernama “penjualan”



### 3. Tambahkan library MySQL JDBC Driver pada project



### 4. Pada package penjualan, buat class baru yang bernama KoneksiMysql



```

package penjualan;
import java.sql.*;

public class KoneksiMysql {
    String url, usr, pwd, dbn;
    public KoneksiMysql (String dbn) {
        this.url = "jdbc:mysql://localhost/" + dbn;
        this.usr = "root";
        this.pwd = "";
    }

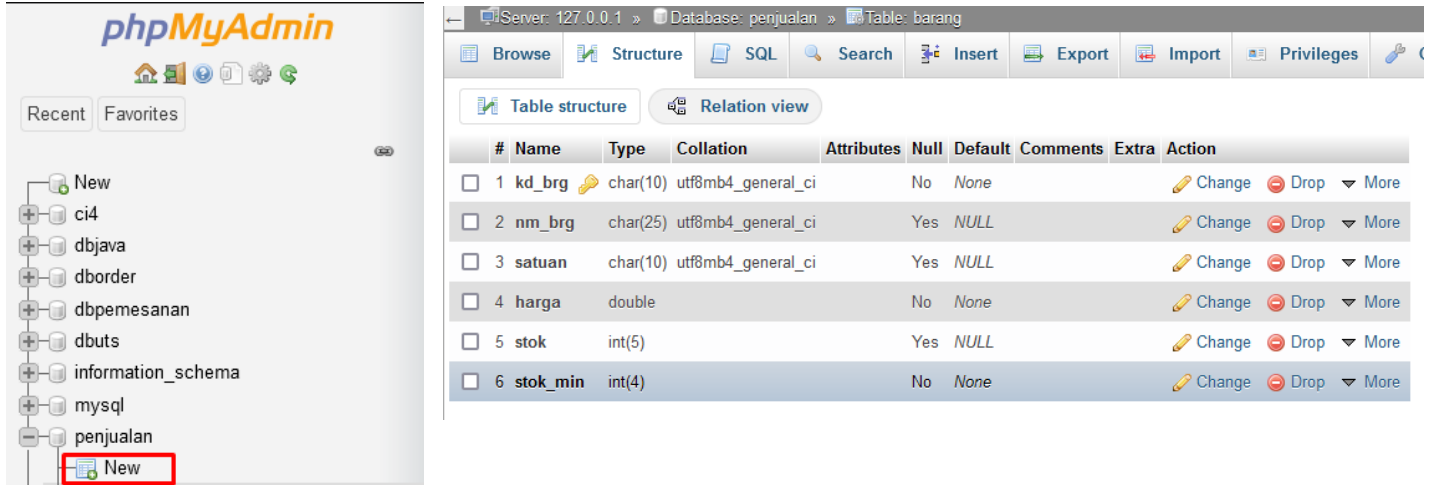
    public KoneksiMysql (String host, String user, String pass, String dbn) {
        this.url = "jdbc:mysql://" + host + "/" + dbn;
        this.usr = user;
        this.pwd = pass;
    }

    public Connection getConnection() {
        Connection con = null;
        try {
            //Class.forName("com.mysql.jdbc.Driver");
            Class.forName("com.mysql.cj.jdbc.Driver");
            con = DriverManager.getConnection(this.url, this.usr, this.pwd);
        } catch (ClassNotFoundException e) {
            System.out.println ("Error #1 : " + e.getMessage());
            System.exit(0);
        } catch (SQLException e) {
            System.out.println ("Error #2 : " + e.getMessage());
            System.exit(0);
        }
        return con;
    }

    public static void main (String args[]) {
        KoneksiMysql kon = new KoneksiMysql ("penjualan");
        Connection c = kon.getConnection();
    }
}

```

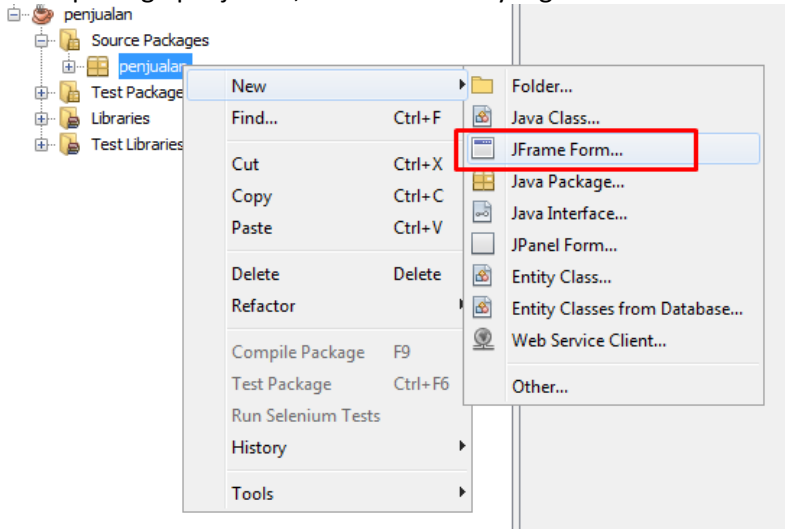
5. Buat table “barang” di database penjualan



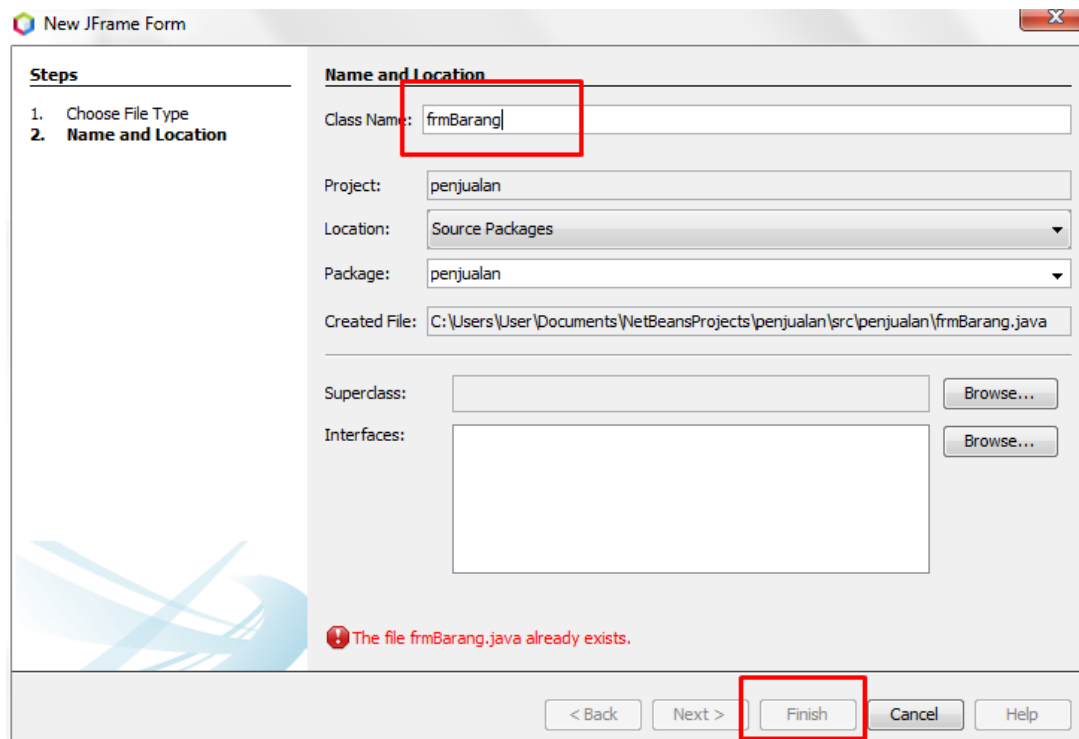
The screenshot shows the phpMyAdmin interface. On the left, the 'penjualan' database is selected, and a 'New' button is highlighted with a red box. On the right, the 'Table structure' view for the 'barang' table is displayed. The table has six columns:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	kd_brg	char(10)	utf8mb4_general_ci		No	None			Change Drop More
2	nm_brg	char(25)	utf8mb4_general_ci		Yes	NULL			Change Drop More
3	satuan	char(10)	utf8mb4_general_ci		Yes	NULL			Change Drop More
4	harga	double			No	None			Change Drop More
5	stok	int(5)			Yes	NULL			Change Drop More
6	stok_min	int(4)			No	None			Change Drop More

6. Pada package penjualan, buat form baru yang bernama frmBarang



The screenshot shows the NetBeans IDE. The 'Source Packages' view on the left shows the 'penjualan' package. The 'New' menu is open, and 'JFrame Form...' is highlighted with a red box.



The screenshot shows the 'New JFrame Form' dialog box. The 'Name and Location' tab is active. The 'Class Name' field is highlighted with a red box and contains the text 'frmBarang'. The 'Project' field is 'penjualan', the 'Location' is 'Source Packages', and the 'Package' is 'penjualan'. The 'Created File' path is 'C:\Users\User\Documents\NetBeansProjects\penjualan\src\penjualan\frmBarang.java'. At the bottom, the 'Finish' button is highlighted with a red box. A red error message at the bottom states: 'The file frmBarang.java already exists.'

**DATA BARANG**

Kode Barang  Harga

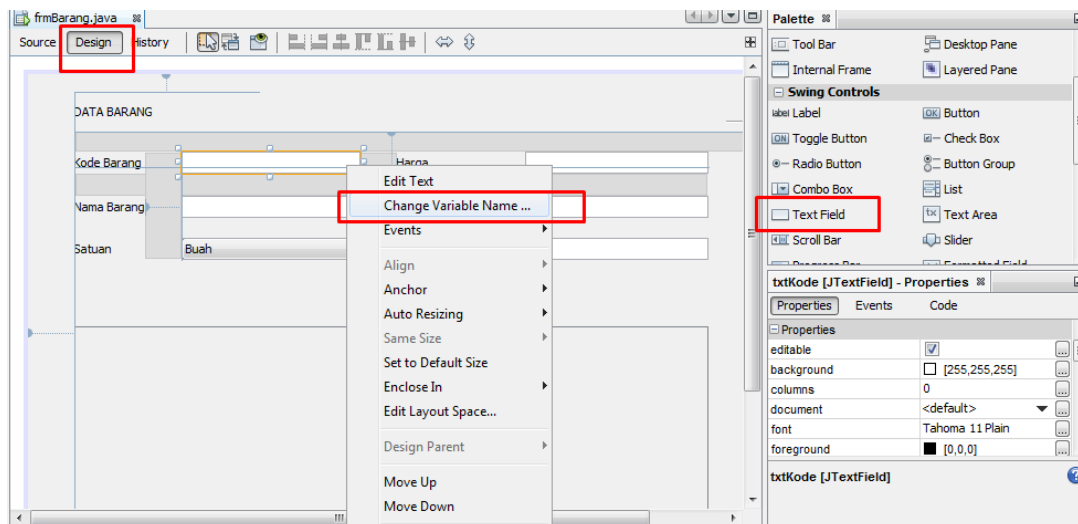
Nama Barang  Stok

Satuan  Stok minimal

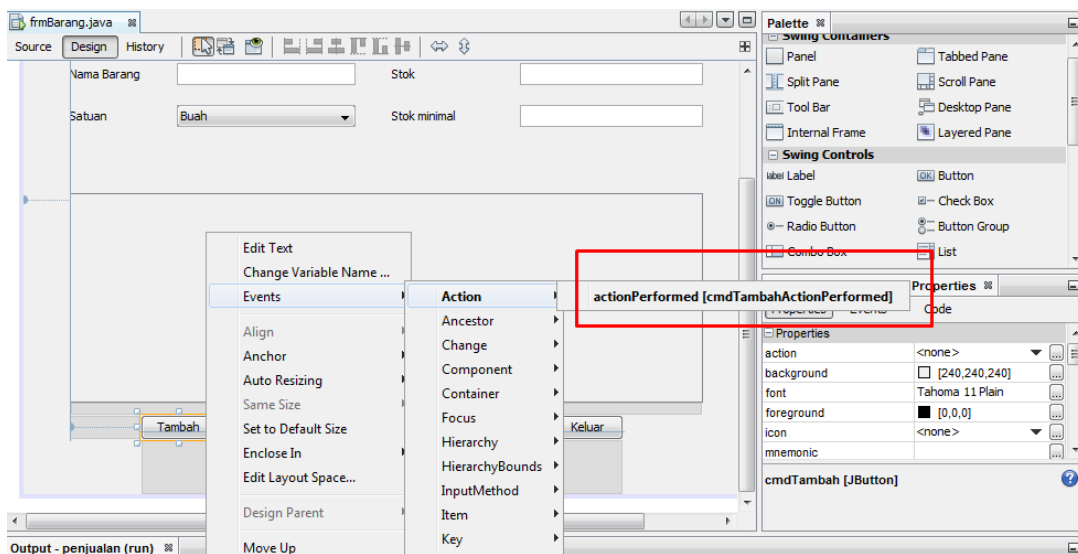
Kode	Nama Barang	Satuan	Harga	Stok	Stok Min
1	Pensil	Buah	3000.0	9	6
2	Tas	Buah	5000.0	8	5
3	Buku	Buah	7000.0	4	4
4	Penggaris	Buah	4000.0	8	5
5	Spidol	Buah	7000.0	9	2

Tambah  Simpan  Koreksi  Hapus  Batal  Keluar

Keterangan masing-masing komponen form ada di halaman selanjutnya



Cara untuk membuat komponen form dan mengganti nama variable nya

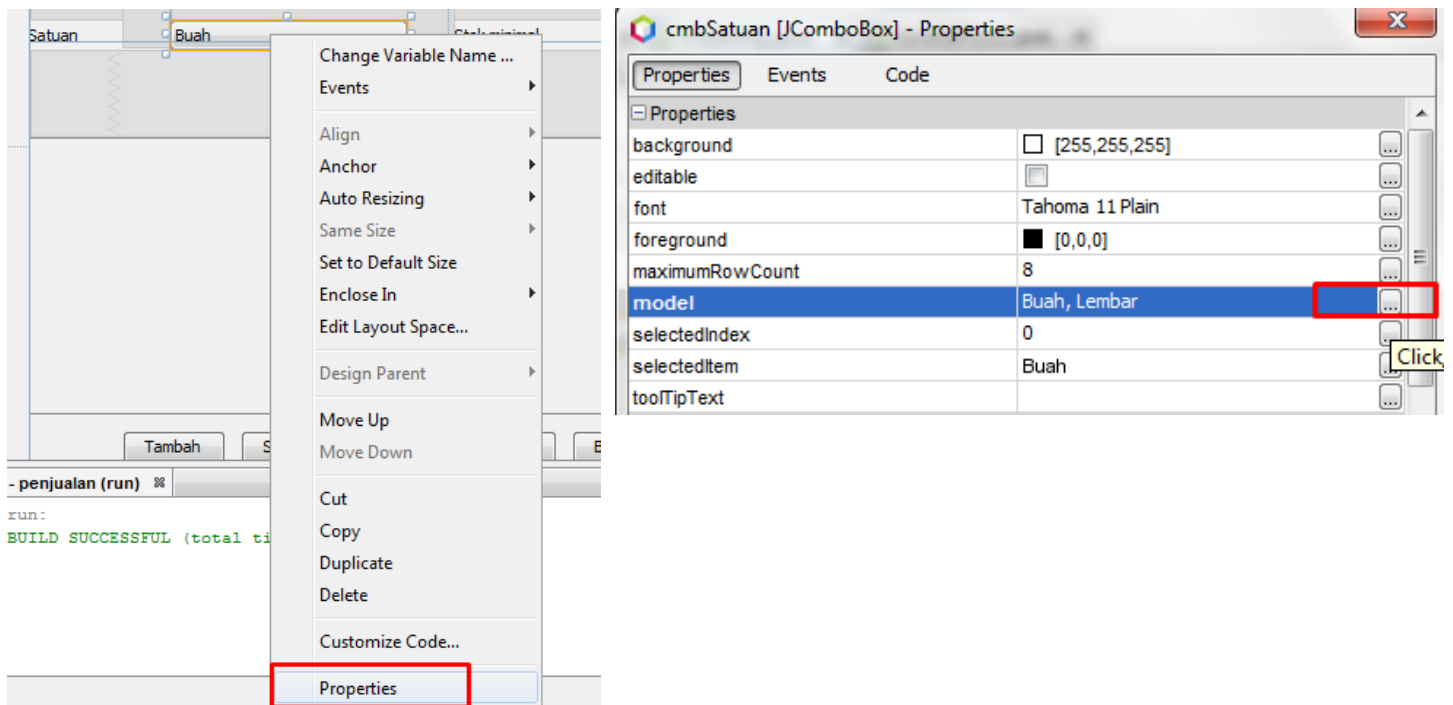


Cara untuk memberi script Event pada komponen form. Script ada di halaman selanjutnya

No	Variable Name	Type	Event
1	txtKode	TextField	
2	txtNama	TextField	
3	cmbSatuan	ComboBox	<pre>private void cmbSatuanActionPerformed(java.awt.event.ActionEvent evt) {     // TODO add your handling code here:     JComboBox cSatuan = (javax.swing.JComboBox)evt.getSource();     //Membaca Item Yang Terpilih — &gt; String     sSatuan = (String)cSatuan.getSelectedItem(); }</pre>
4	txtHarga	TextField	
5	txtStok	TextField	
6	txtStokMin	TextField	
7	tblBrg	JTable	<pre>private void tblBrgMouseClicked(java.awt.event.MouseEvent evt) {     // TODO add your handling code here:     setField(); }</pre>
8	cmdTambah	Button	<pre>private void cmdTambahActionPerformed(java.awt.event.ActionEvent evt) {     // TODO add your handling code here:     aktif(true);     setTombol(false);     kosong(); }</pre>
9	cmdSimpan	Button	<pre>private void cmdSimpanMouseClicked(java.awt.event.MouseEvent evt) {     // TODO add your handling code here:     String tKode=txtKode.getText();     String tNama=txtNama.getText();      double hrg=Double.parseDouble(txtHarga.getText());     int stk=Integer.parseInt(txtStok.getText());     int stkMin=Integer.parseInt(txtStokMin.getText());     try{         if (edit==true){             stm.executeUpdate("update barang set nm_brg='"+tNama+"',satuan='"+sSatuan+"',harga='"+hrg+"',stok='"+stk+"',stok_min=" +stkMin+" where kd_brg='"+ tKode + "'");         }else{             stm.executeUpdate("INSERT into barang VALUES('"+tKode+"','"+tNama+"','"+sSatuan+"','"+hrg+"','"+stk+"','"+stkMin+"')");         }         tblBrg.setModel(new DefaultTableModel(dataTable,header));         baca_data();         aktif(false);         setTombol(true);     }catch(SQLException e) {         JOptionPane.showMessageDialog(null, e);     } }</pre>

10	cmdKoreksi	JButton	<pre>private void cmdKoreksiActionPerformed(java.awt.event.ActionEvent evt) {     // TODO add your handling code here:     edit=true;     aktif(true);     setTombol(false);     txtKode.setEditable(false); }</pre>
11	cmdHapus	JButton	<pre>private void cmdHapusActionPerformed(java.awt.event.ActionEvent evt) {     // TODO add your handling code here:     try{         String sql="delete from barang where kd_brg='" + txtKode.getText() + "'";         stm.executeUpdate(sql);         baca_data();     }     catch(SQLException e)     {         JOptionPane.showMessageDialog(null, e);     } }</pre>
12	cmdBatal	JButton	<pre>private void cmdBatalActionPerformed(java.awt.event.ActionEvent evt) {     // TODO add your handling code here:     aktif(false);     setTombol(true);     kosong(); }</pre>
13	cmdKeluar	JButton	<pre>private void cmdKeluarActionPerformed(java.awt.event.ActionEvent evt) {     // TODO add your handling code here:     dispose(); }</pre>

Untuk mengisi combobox caranya klik kanan, properties, lalu pada model isikan nilainya dengan dipisahkan koma.



```

package penjualan;
import java.sql.*;
import javax.swing.JComboBox;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class frmBarang extends javax.swing.JFrame {
    Connection Con;
    ResultSet RsBrg;
    Statement stm;
    PreparedStatement pstat;

    Boolean ada = false;
    String sSatuan;
    Boolean edit=false;

    private Object[][] dataTable = null;
    private String[] header = {"Kode", "Nama Barang", "Satuan", "Harga", "Stok", "Stok Min"};

    public frmBarang() {
        initComponents();
        open_db();
        baca_data();
        aktif(false);
        setTombol(true);
    }

    private void setField()
    {
        int row=tblBrg.getSelectedRow();
        txtKode.setText((String)tblBrg.getValueAt(row,0));
        txtNama.setText((String)tblBrg.getValueAt(row,1));
        cmbSatuan.setSelectedItem((String)tblBrg.getValueAt(row,2));
        String harga = Double.toString((Double)tblBrg.getValueAt(row,3));
        txtHarga.setText(harga);
        String stok=Integer.toString((Integer)tblBrg.getValueAt(row,4));
        txtStok.setText(stok);
        String stokmin=Integer.toString((Integer)tblBrg.getValueAt(row,5));
        txtStokMin.setText(stokmin);
    }

    //method membuka database server, user, pass, database disesuaikan
    private void open_db()
    {
        try{
            KoneksiMysql kon = new KoneksiMysql ("localhost","root","","penjualan");
            Con = kon.getConnection();
            System.out.println("Berhasil ");
        }catch (Exception e) {
            System.out.println("Error : "+e);
        }
    }
}

```



```

//method baca data dari Mysql dimasukkan ke table pada form
private void baca_data()
{
    try{
        stm = Con.createStatement();

        pstat = Con.prepareStatement("select * from
barang",ResultSet.TYPE_SCROLL_SENSITIVE,ResultSet.CONCUR_UPDATABLE);
        RsBrg = pstat.executeQuery();

        ResultSetMetaData meta = RsBrg.getMetaData();
        int col = meta.getColumnCount();
        int baris = 0;

        while(RsBrg.next()) {
            baris = RsBrg.getRow();
        }

        dataTable = new Object[baris][col];
        int x = 0;
        RsBrg.beforeFirst();

        while(RsBrg.next()) {
            dataTable[x][0] = RsBrg.getString("kd_brg");
            dataTable[x][1] = RsBrg.getString("nm_brg");
            dataTable[x][2] = RsBrg.getString("satuan");
            dataTable[x][3] = RsBrg.getDouble("harga");
            dataTable[x][4] = RsBrg.getInt("stok");
            dataTable[x][5] = RsBrg.getInt("stok_min");
            x++;
        }
        tblBrg.setModel(new DefaultTableModel(dataTable,header));
    }
    catch(SQLException e)
    {
        JOptionPane.showMessageDialog(null, e);
    }
}

//untuk mengkosongkan isian data
private void kosong()
{
    txtKode.setText("");
    txtNama.setText("");
    txtHarga.setText("");
    txtStok.setText("");
    txtStokMin.setText("");
}

```

```
//mengset aktif tidak isian data
private void aktif(boolean x)
{
    txtKode.setEditable(x);
    txtNama.setEditable(x);
    cmbSatuan.setEnabled(x);
    txtHarga.setEditable(x);
    txtStok.setEditable(x);
    txtStokMin.setEditable(x);
}

//mengset tombol on/off
private void setTombol(boolean t)
{
    cmdTambah.setEnabled(t);
    cmdKoreksi.setEnabled(t);
    cmdHapus.setEnabled(t);
    cmdSimpan.setEnabled(!t);
    cmdBatal.setEnabled(!t);
    cmdKeluar.setEnabled(t);
}
}
```

#### 7. Untuk menjalankan

