

# Aplikasi Bengkel Sederhana Berbasis Desktop dengan Java



12 April 2014

# Sejarah Java

Java adalah bahasa pemrograman yang dapat berjalan di berbagai platform. Pemberian nama dimulai dari Star-7, kemudian Oak dan belakangan dikenal dengan JAVA. Awalnya mereka ingin membuat suatu bahasa komputer yang dapat digunakan oleh TV kabel sehingga java memiliki karakteristik berukuran kecil, efisien, dan portable untuk berbagai hardware. Bahasa ini awalnya dibuat oleh James Gosling dari Sun Microsystems pada tahun 1991 dan dikembangkan bersama tim The Green Project dan saat ini merupakan bagian dari Oracle.

## Keunggulan Java

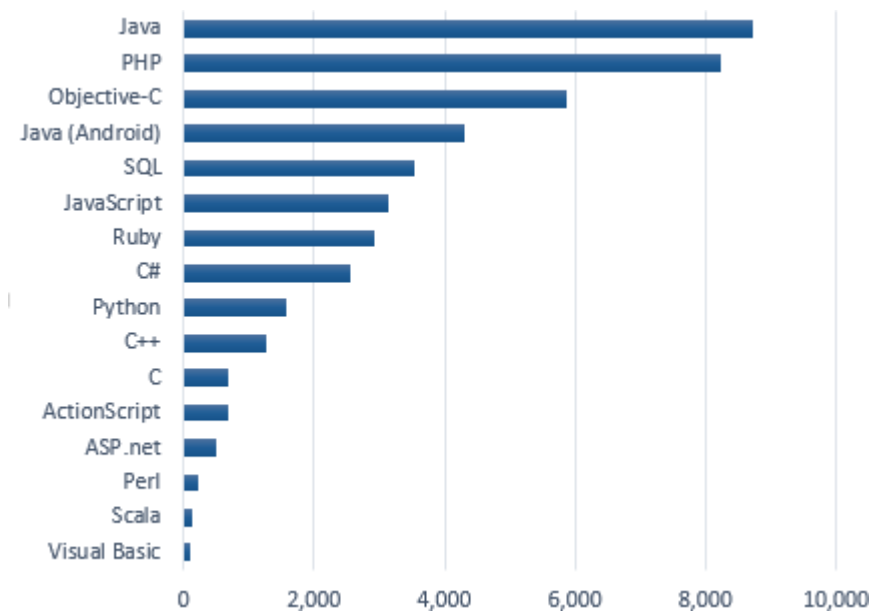
1. Java bersifat sederhana dan relative mudah  
Semudah C seampuh C++
2. Java berorientasi pada Objek  
Java membagi program menjadi Objek – Objek yang memiliki sifat dan tingkah laku, mengatur interaksi antara objek satu sama lain.
3. Java bersifat multiplatform
4. Java bersifat multithread  
Mengerjakan beberapa proses dalam waktu hampir bersamaan

## Kekurangan Java

1. Java memakan banyak memori pada komputer
2. Java harus melalui Proses Compile
3. Java tidak lebih cepat dari bahasa C atau C++

Tetapi dari beberapa kekurangan yang dimilikinya

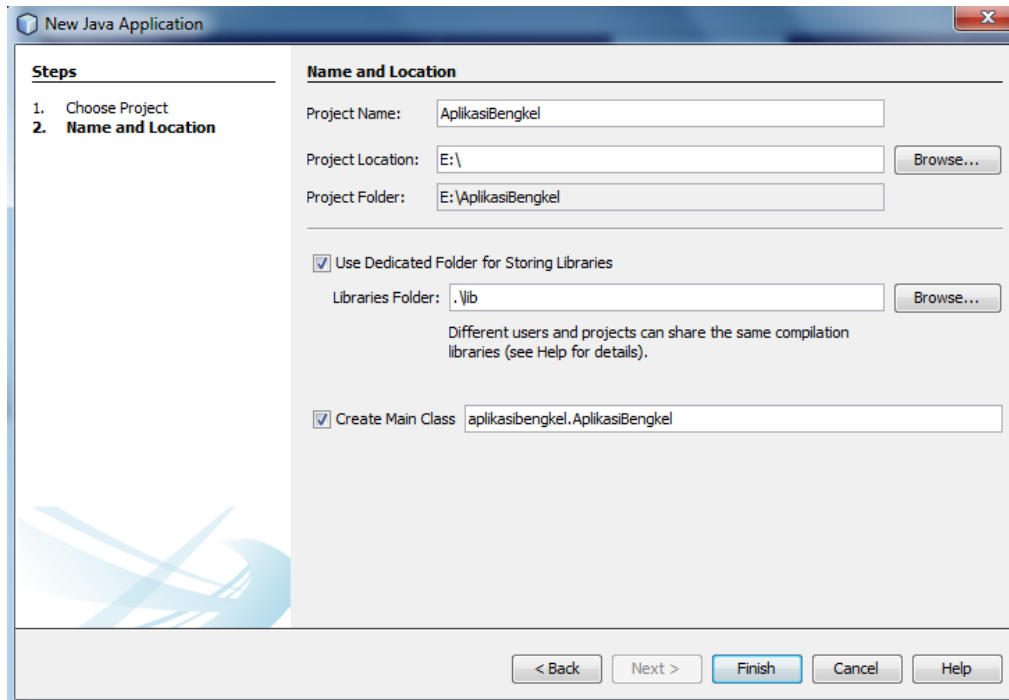
What is the Best Programming Language to Learn in 2014?



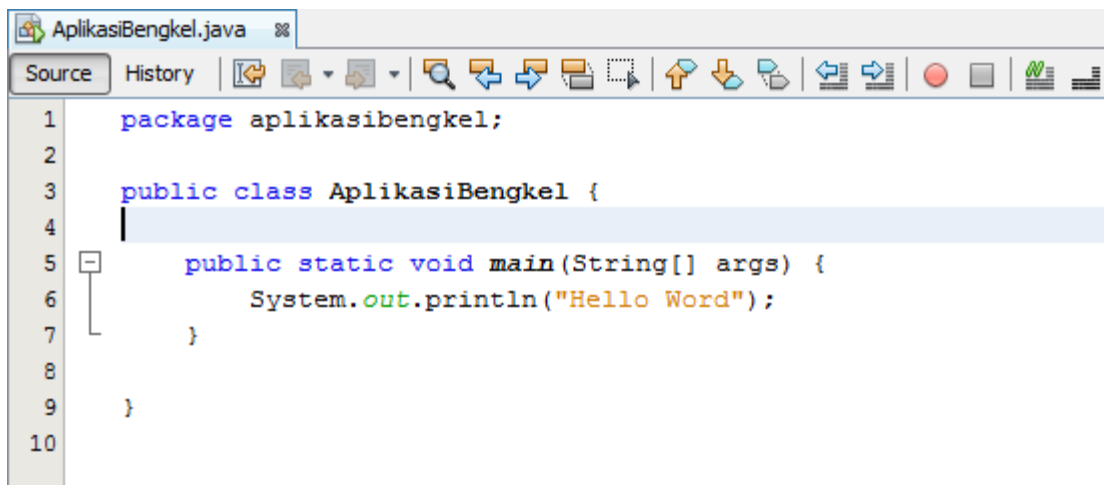
<http://www.sitepoint.com/best-programming-language-learn-2014/>

# Membuat Project Baru

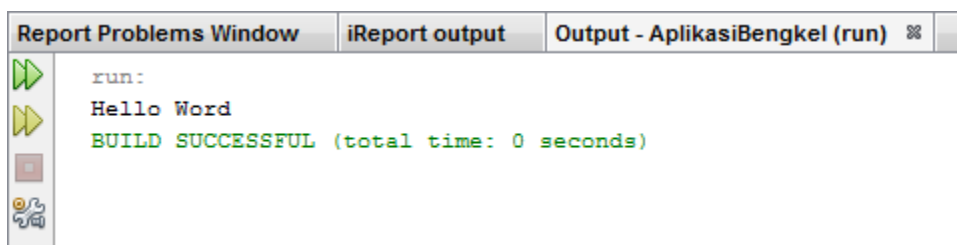
File → New Project



## Hello Word

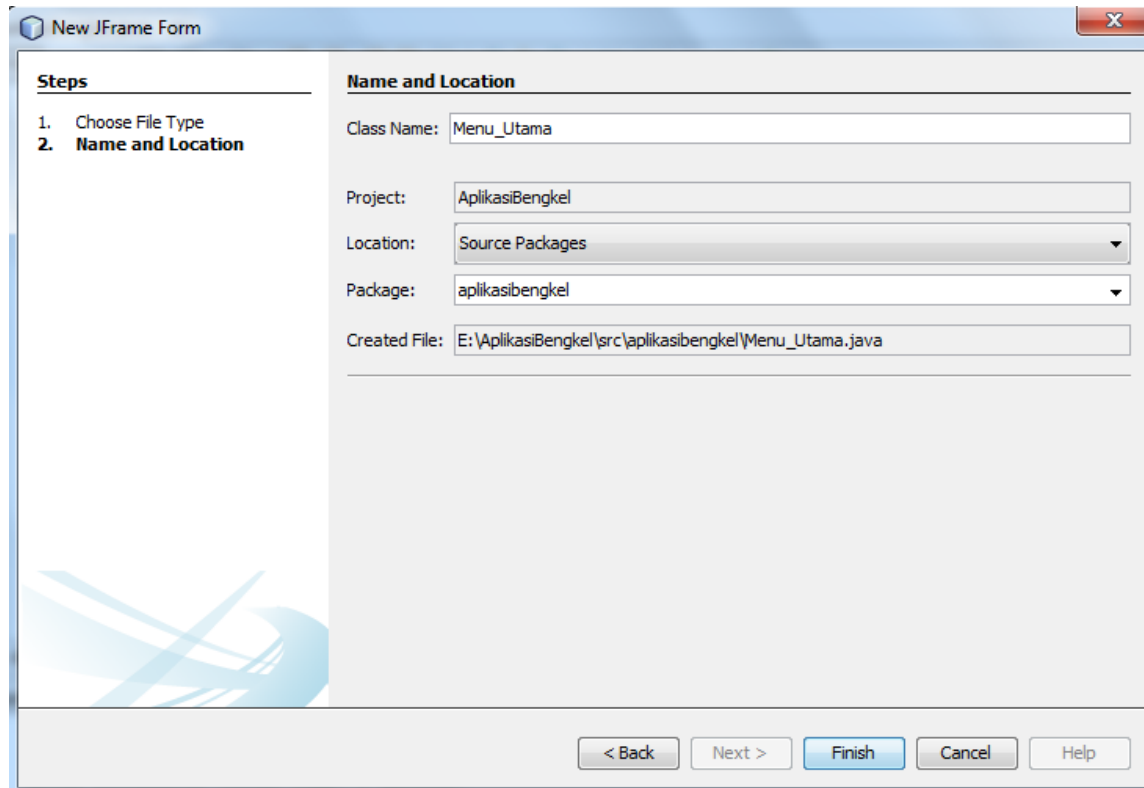


Run → Run Project

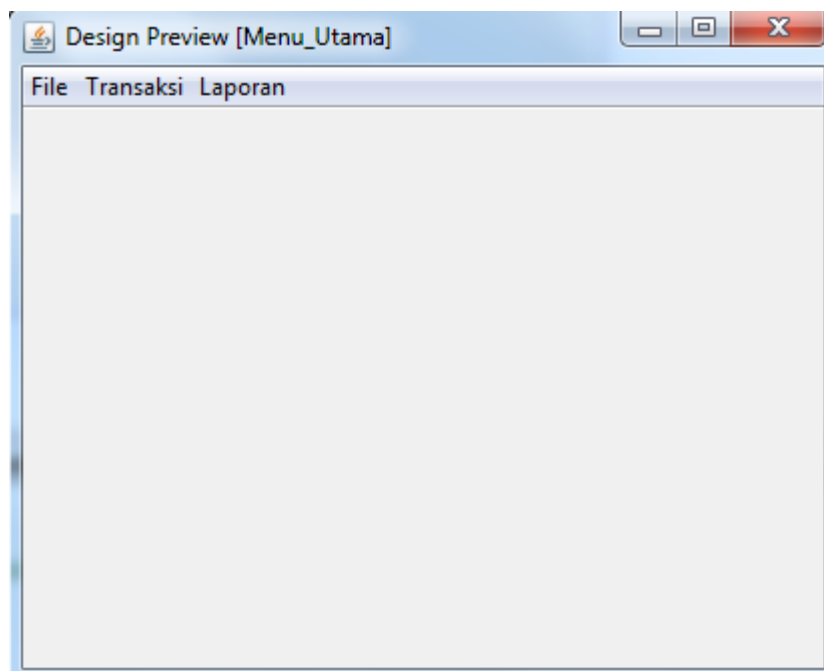


# Membuat Form Utama

New → JFrame Form

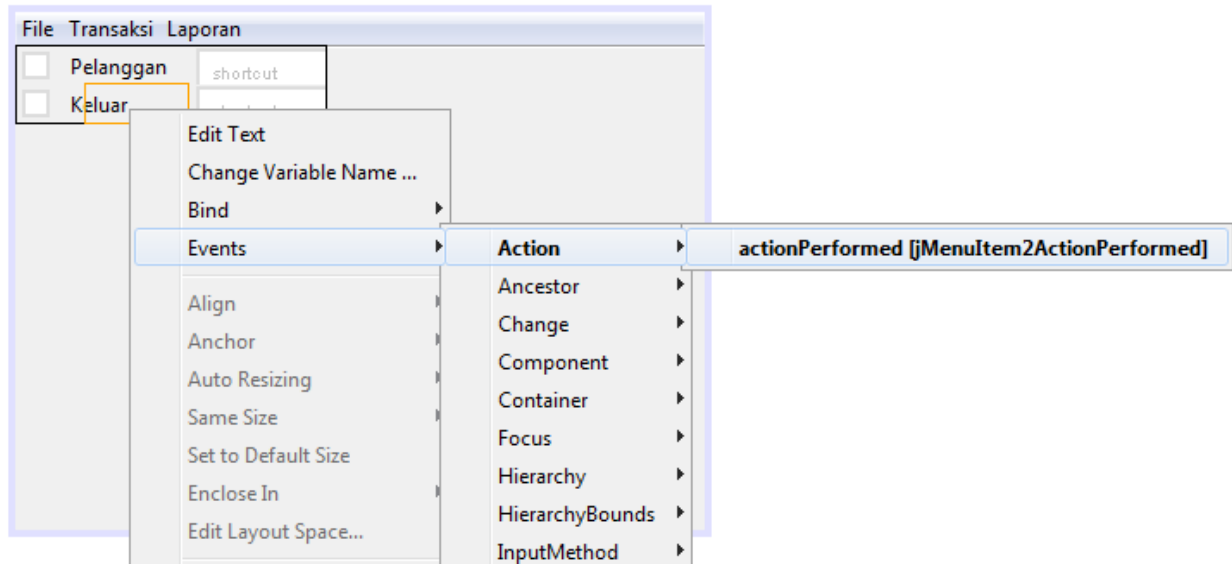


## Tampilan Form Utama



## Menambahkan Perintah Pada Menu Keluar

Klik Kanan → Events → Action → actionPerformed



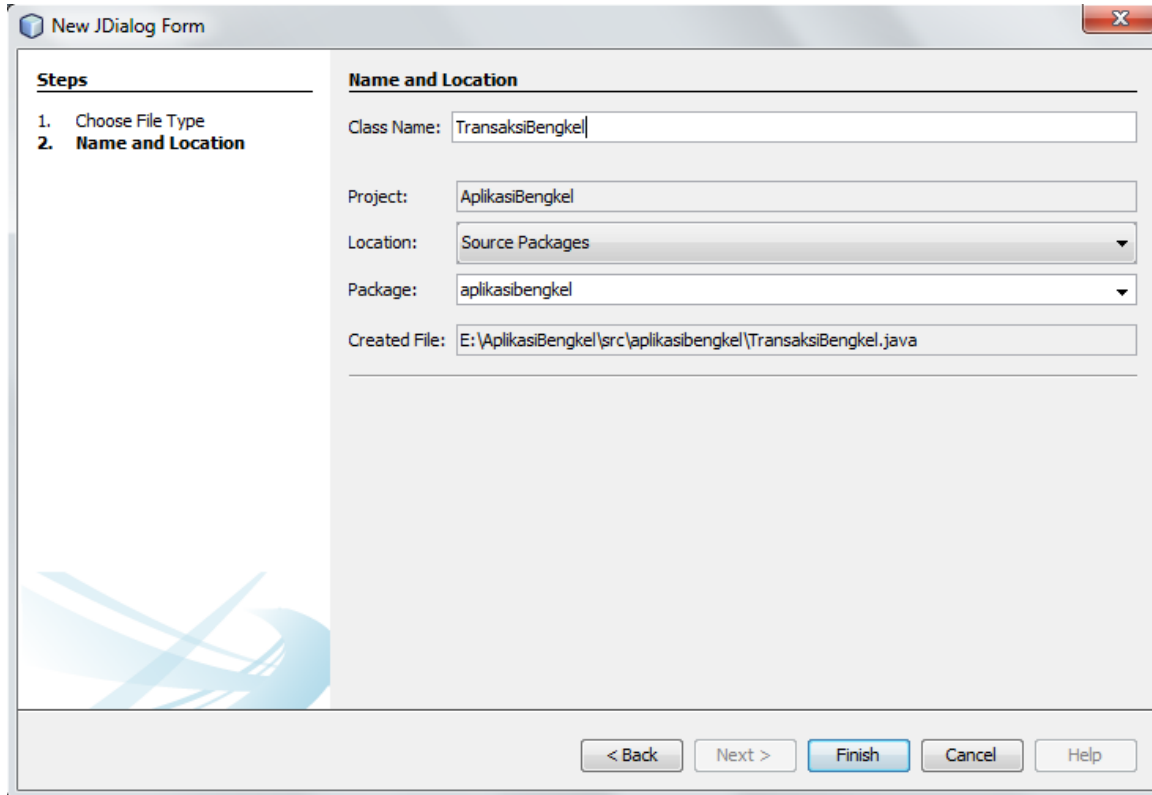
```
private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    System.exit(0);  
}
```

## Membuat Form Menu Utama Berada di Tengah Layar

```
public Menu_Utama() {  
    initComponents();  
    setLocation((Toolkit.getDefaultToolkit().getScreenSize().width - getWidth()) / 2,  
                (Toolkit.getDefaultToolkit().getScreenSize().height - getHeight()) / 2);  
}
```

# Membuat Form Transaksi Bengkel

New → JDialog Form

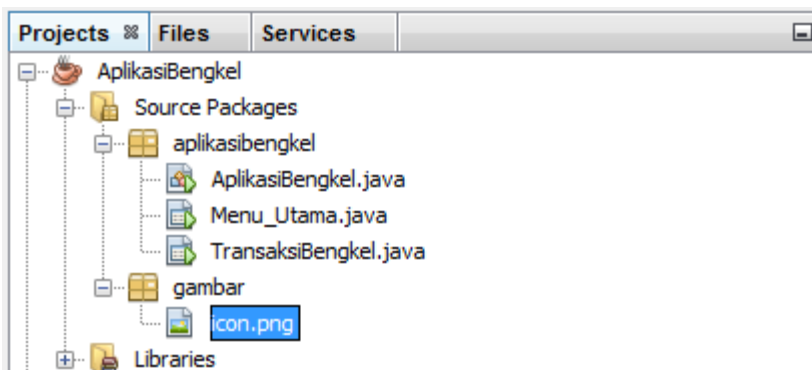


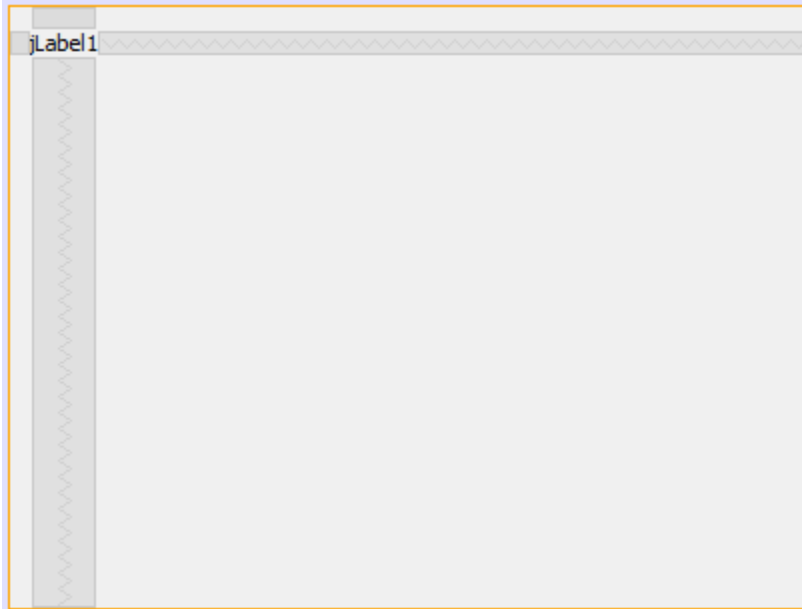
## Menambahkan Gambar dan Nama dengan JLabel

Buat package baru untuk menyimpan gambar ke dalam project

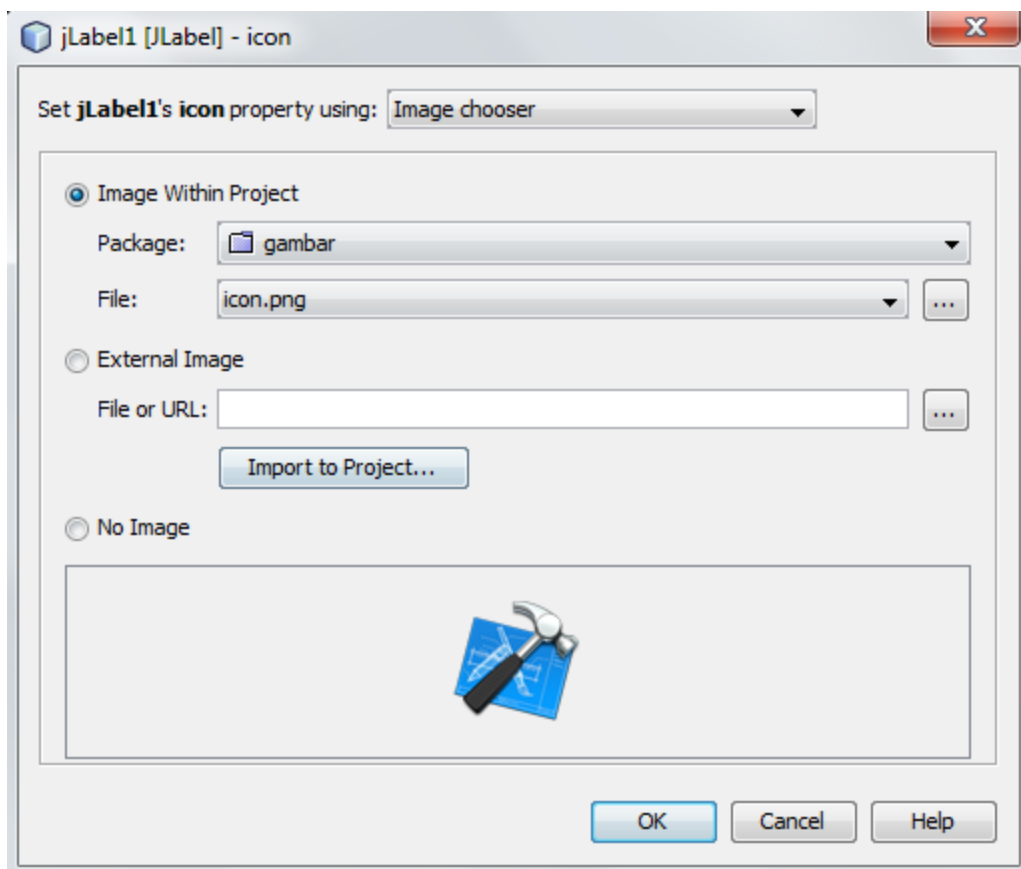
New → Java Package

Copy icon.png ke dalam package yang baru dibuat





Klik Kanan pada label → Properties → Icon







## Tampilan Form Transaksi Bengkel

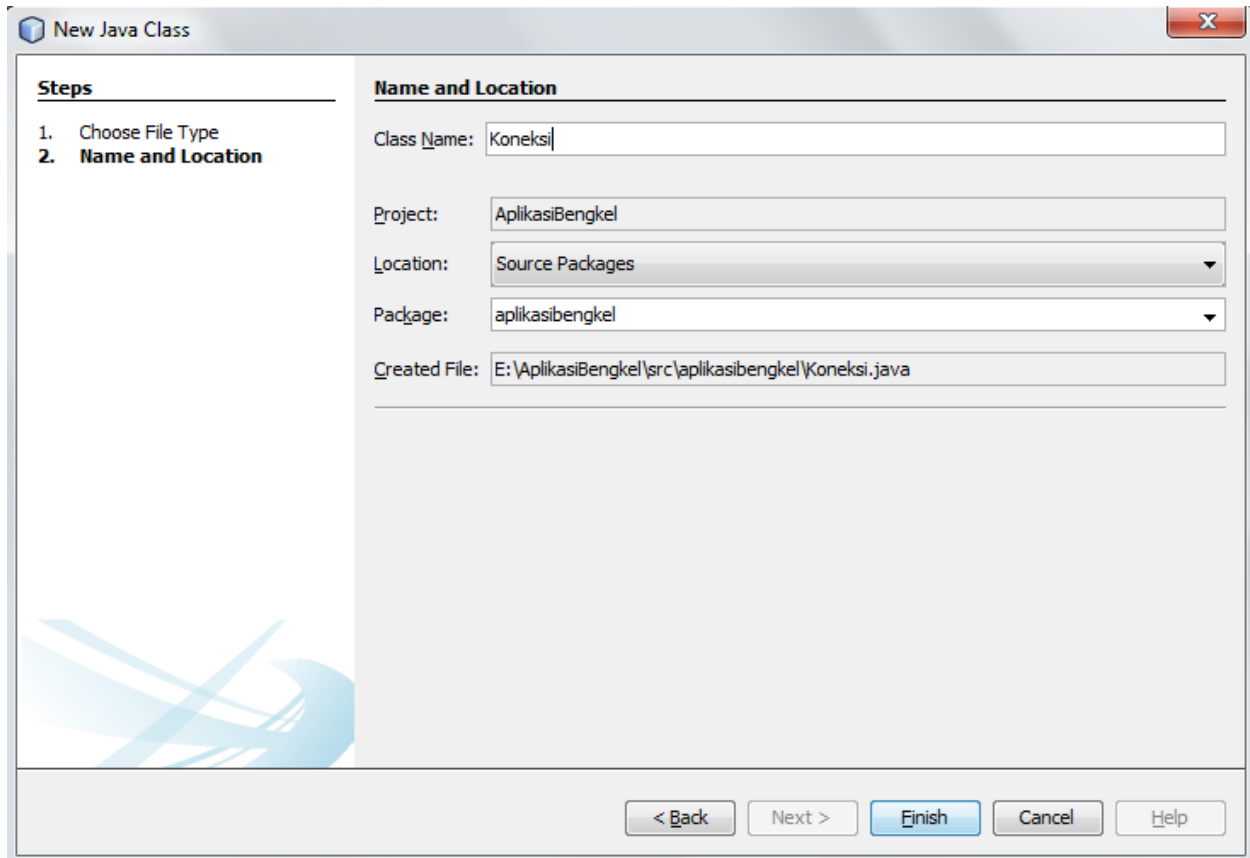
Klik Kanan → Change Variable Name

The screenshot shows a transaction form for 'Bengkel Tito Hendrawan'. The form includes the following elements and their corresponding variable names:

- No. Services**: A text input field labeled *txtNoServices*.
- Spare Parts**: A dropdown menu labeled *cmbSpareParts*.
- Harga**: A text input field labeled *txtHarga*.
- Jumlah**: A text input field labeled *txtJumlah*.
- Discount**: Three radio buttons labeled 5%, 10%, and 15%, collectively labeled *rb5*, *rb10*, and *rb15*.
- Buttons**: Four buttons at the bottom labeled *btnTambah*, *btnUbah*, *btnHapus*, and *btnKeluar*.
- Other Labels**: A button labeled *btnBuatBaru* and a label *txtNoServices* are also present.

# Membuat Kelas Koneksi

New → Java Class



**New Java Class**

**Steps**

1. Choose File Type
2. **Name and Location**

**Name and Location**

Class Name:

Project:

Location:

Package:

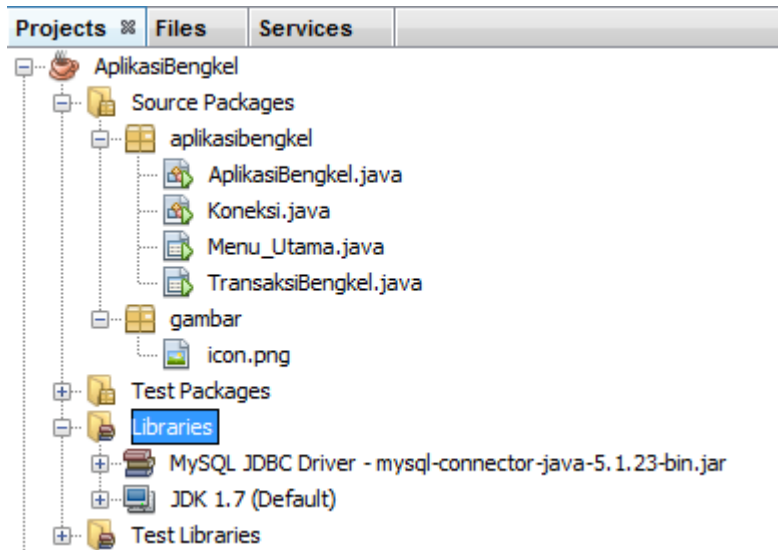
Created File:

< Back   Next >   **Finish**   Cancel   Help

```
public class Koneksi {  
    public Connection bukaKoneksi() {  
        Connection con = null;  
        try {  
            Class.forName("com.mysql.jdbc.Driver");  
            con = DriverManager.getConnection("jdbc:mysql://localhost/dbworkshop","root","");  
            System.out.println("Berhasil Koneksi");  
            return con;  
        } catch (Exception e) {  
            System.out.println("Gagal Koneksi"+e.getMessage());  
            return con = null;  
        }  
    }  
}
```

## Menambahkan Library MYSQL JDBC Driver

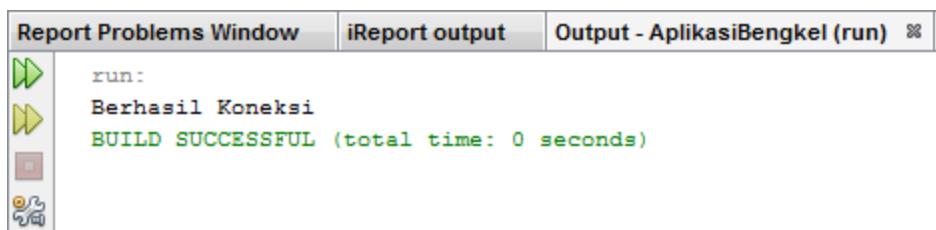
Klik Kanan pada Libraries → Add Library → Import → Pilih MYSQL JDBC Driver → Add Library



## Test Koneksi, Apakah Sudah Terhubung dengan Database

```
30  public static void main(String[] args){  
31      Koneksi objKoneksi = new Koneksi();  
32      objKoneksi.bukaKoneksi();  
33  }  
34  
35  }
```

Klik Kanan → Run File



## Deklarasi dan Inisialisasi Kelas Koneksi

```
1 package aplikasibengkel;
2 public class TransaksiBengkel extends javax.swing.JDialog {
3
4     Koneksi objKoneksi;
5     public TransaksiBengkel(java.awt.Frame parent, boolean modal) {
6         super(parent, modal);
7         initComponents();
8         objKoneksi = new Koneksi();
9     }
10
```

## Membuat Fungsi Auto Number

```
182 private void autoNumber(){
183     String noServices = "SER000";
184     int i = 0;
185     try {
186         Connection con = objKoneksi.bukaKoneksi();
187         Statement st = con.createStatement();
188         String sql = "select no_services from isi";
189         ResultSet rs = st.executeQuery(sql);
190         while(rs.next()){
191             noServices = rs.getString("no_srvcies");
192         }
193         noServices = noServices.substring(3);
194         i = Integer.parseInt(noServices)+1;
195         noServices = "00"+i;
196         noServices = "SER"+noServices.substring(noServices.length()-3);
197         txtNoServices.setText(noServices);
198     } catch (SQLException e) {
199         System.out.println(e.getMessage());
200     }
201 }
```

## Membuat Combo Box Dinamis

```
225
226 private void tampilNamaSpareParts() {
227     try {
228         Connection con = objKoneksi.bukaKoneksi();
229         Statement st = con.createStatement();
230         String sql = "select nm_sp from spareparts order by nm_sp";
231         ResultSet rs = st.executeQuery(sql);
232         while(rs.next()) {
233             cmbSpareParts.addItem(rs.getString("nm_sp"));
234         }
235         con.close();
236         st.close();
237     } catch (SQLException e) {
238         System.out.println(e.getMessage());
239     }
240 }
241
```

## Meletakan Fungsi ke dalam Methodode Konstruktor

```
9
10 Koneksi objKoneksi;
11 public TransaksiBengkel(java.awt.Frame parent, boolean modal) {
12     super(parent, modal);
13     initComponents();
14     objKoneksi = new Koneksi();
15     autoNumber();
16     tampilNamaSpareParts();
17 }
```

## Tampilan Form Ketika di Jalankan



## Mendapatkan Nilai Harga dan Kode Spare Parts

```
255 private void detilSpareParts() {  
256     try {  
257         Connection con = objKoneksi.bukaKoneksi();  
258         Statement st = con.createStatement();  
259         String sql = "select * from spareparts where nm_sp = '"+cmbSpareParts.getSelectedItem()+"';  
260         ResultSet rs = st.executeQuery(sql);  
261         if(rs.next()){  
262             txtHarga.setText(rs.getString("harga"));  
263             kd_sp = rs.getString("kd_sp");  
264         }  
265         con.close();  
266         st.close();  
267         System.out.println(""+kd_sp);  
268     } catch (SQLException e) {  
269         System.out.println(e.getMessage());  
270     }  
271 }
```

## Memberikan Fungsi Pada Combo Box Dinamis

Klik Kanan → Event → Action → actionPerformed

```
207 private void cmbSparePartsActionPerformed(java.awt.event.ActionEvent evt) {  
208     // TODO add your handling code here:  
209     detilSpareParts();  
210 }  
211
```

## Tampilan Form Ketika di Jalankan



Bengkel Tito Hendrawan

No. Services: SER001

Spare Parts:

Harga: 40000

Jumlah:

Discount: ☐ 5% ☐ 10% ☐ 15%

## Membuat Inisialisasi Awal

```
390 private void inisialisasi() {  
391     btnTambah.setEnabled(false);  
392     btnUbah.setEnabled(false);  
393     btnHapus.setEnabled(false);  
394 }
```

## Inisialisasi Awal Pada Methode Konstruktor

```
13 public TransaksiBengkel(java.awt.Frame parent, boolean modal) {  
14     super(parent, modal);  
15     initComponents();  
16     objKoneksi = new Koneksi();  
17     kd_sp = "";  
18     autoNumber();  
19     tampilNamaSpareParts();  
20     inisialisasi();  
21 }
```

## Membuat Fungsi Tambah

```
284 private void tambahData(){
285     int discount = 0;
286     int jml_bayar = 0;
287
288     if(rb5.isSelected()){
289         discount = 5;
290     }
291     if(rb10.isSelected()){
292         discount = 10;
293     }
294     if(rb15.isSelected()){
295         discount = 15;
296     }
297
298     jml_bayar = Integer.parseInt(txtHarga.getText()) * Integer.parseInt(txtJumlah.getText());
299     jml_bayar = jml_bayar - (jml_bayar * discount / 100);
300
301     try {
302         Connection con = objKoneksi.bukaKoneksi();
303         Statement st = con.createStatement();
304         String sql = "insert into isi values('"+txtNoServices.getText()+"', '"+kd_sp+"', "
305             + "'"+txtJumlah.getText()+"', '"+discount+"', '"+jml_bayar+"')";
306         int sukses = st.executeUpdate(sql);
307         if(sukses > 0){
308             JOptionPane.showMessageDialog(rootPane, "Data Berhasil di Tambahkan");
309         }else{
310             JOptionPane.showMessageDialog(rootPane, "Data Tidak Berhasil di Tambahkan");
311         }
312         con.close();
313         st.close();
314     } catch (SQLException e) {
315         System.out.println(e.getMessage());
316     }
317 }
```

## Memberikan Fungsi Pada button Tambah

```
217
218 private void btnTambahActionPerformed(java.awt.event.ActionEvent evt) {
219     // TODO add your handling code here:
220     tambahData();
221 }
222
```



## Membuat Fungsi Cari

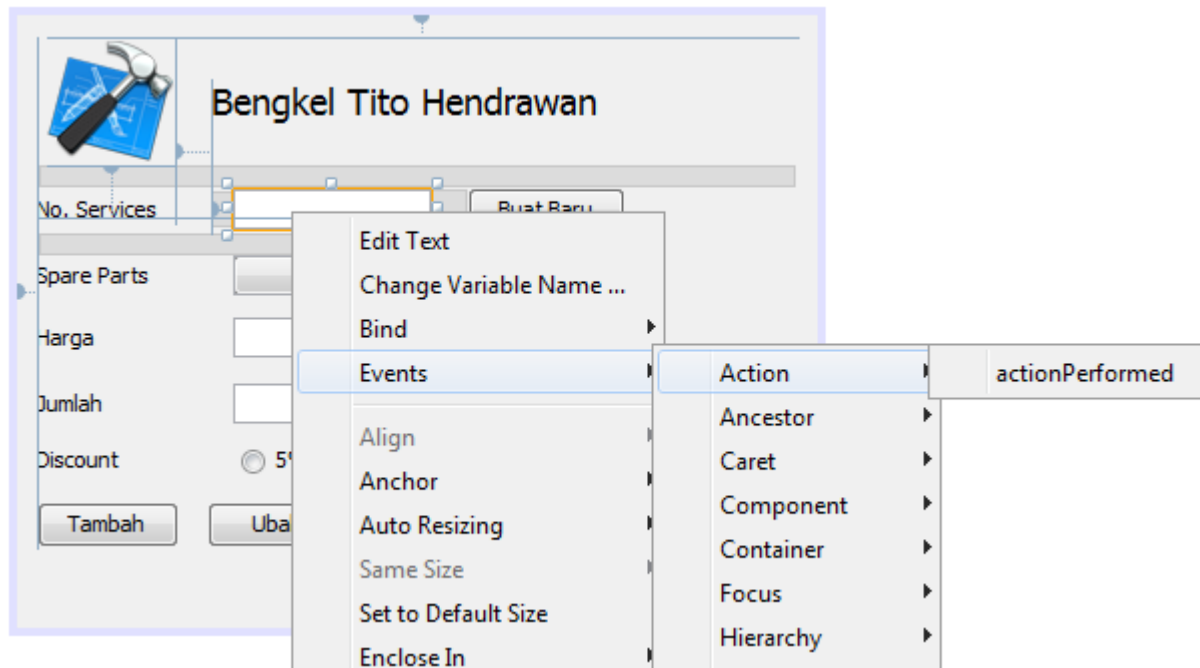
```
365 private void cariData() {
366     try {
367         Connection con = objKoneksi.bukaKoneksi();
368         Statement st = con.createStatement();
369         String sql = "select * from isi where no_services = '" + txtNoServices.getText() + "' "
370             + "and kd_sp = '" + kd_sp + "'";
371         ResultSet rs = st.executeQuery(sql);
372         if(rs.next()) {
373             txtJumlah.setText(rs.getString("jml_item"));
374             if(rs.getString("discount").equals("5")) {
375                 rb5.setSelected(true);
376             }
377             if(rs.getString("discount").equals("10")) {
378                 rb10.setSelected(true);
379             }
380             if(rs.getString("discount").equals("15")) {
381                 rb15.setSelected(true);
382             }
383
384             inisialisasi();
385             btnUbah.setEnabled(true);
386             btnHapus.setEnabled(true);
387         } else {
388             inisialisasi();
389             btnTambah.setEnabled(true);
390             txtJumlah.setText("");
391             rb5.setSelected(true);
392         }
393         con.close();
394         st.close();
395     } catch (SQLException e) {
396         System.out.println(e.getMessage());
397     }
}
```

## Menambahkan Fungsi Cari pada Combo Box

```
219 private void cmbSparePartsActionPerformed(java.awt.event.ActionEvent evt) {
220     // TODO add your handling code here:
221     detilSpareParts();
222     cariData();
223 }
```

## Menambahkan Fungsi Cari Pada txtNoServices

Klik Kanan → Event → Action → actionPerformed



```
241 private void txtNoServicesActionPerformed(java.awt.event.ActionEvent evt) {  
242     // TODO add your handling code here:  
243     cariData();  
244 }
```

## Membuat Fungsi Ubah

```
342 private void ubahData(){
343     int discount = 0;
344     int jml_bayar = 0;
345
346     if(rb5.isSelected()){
347         discount = 5;
348     }
349     if(rb10.isSelected()){
350         discount = 10;
351     }
352     if(rb15.isSelected()){
353         discount = 15;
354     }
355
356     jml_bayar = Integer.parseInt(txtHarga.getText()) * Integer.parseInt(txtJumlah.getText());
357     jml_bayar = jml_bayar - (jml_bayar * discount / 100);
358
359     try {
360         Connection con = objKoneksi.bukaKoneksi();
361         Statement st = con.createStatement();
362         String sql = "update isi set jml_item = '"+txtJumlah.getText()+"', discount = '"+discount+"', jml_bayar = "
363             + "'"+jml_bayar+"' where no_services = '"+txtNoServices.getText()+"' and kd_sp = '"+kd_sp+"'";
364         int sukses = st.executeUpdate(sql);
365         if(sukses > 0){
366             JOptionPane.showMessageDialog(rootPane, "Data Berhasil di Ubah");
367             inisialisasi();
368         }else{
369             JOptionPane.showMessageDialog(rootPane, "Data Tidak Berhasil di Ubah");
370         }
371         con.close();
372         st.close();
373     } catch (SQLException e) {
374         System.out.println(e.getMessage());
375     }
376 }
```

## Menambahkan Fungsi Ubah pada button Ubah

```
241 private void btnUbahActionPerformed(java.awt.event.ActionEvent evt) {
242     // TODO add your handling code here:
243     ubahData();
244 }
```

## Membuat Fungsi Bersih

```
459 private void bersih() {  
460     txtJumlah.setText("");  
461     rb5.setSelected(true);  
462 }
```

## Membuat Fungsi Hapus

```
432 private void hapusData() {  
433     try {  
434         Connection con = objKoneksi.bukaKoneksi();  
435         Statement st = con.createStatement();  
436         String sql = "delete from isi where no_services = '"+txtNoServices.getText()+"' and kd_sp = '"+kd_sp+"'";  
437         int sukses = st.executeUpdate(sql);  
438         if(sukses > 0){  
439             JOptionPane.showMessageDialog(rootPane, "Data Berhasil di Hapus");  
440             bersih();  
441             inisialisasi();  
442         }else{  
443             JOptionPane.showMessageDialog(rootPane, "Data Tidak Berhasil di Hapus");  
444         }  
445         con.close();  
446         st.close();  
447     } catch (SQLException e) {  
448         System.out.println(e.getMessage());  
449     }  
450 }
```

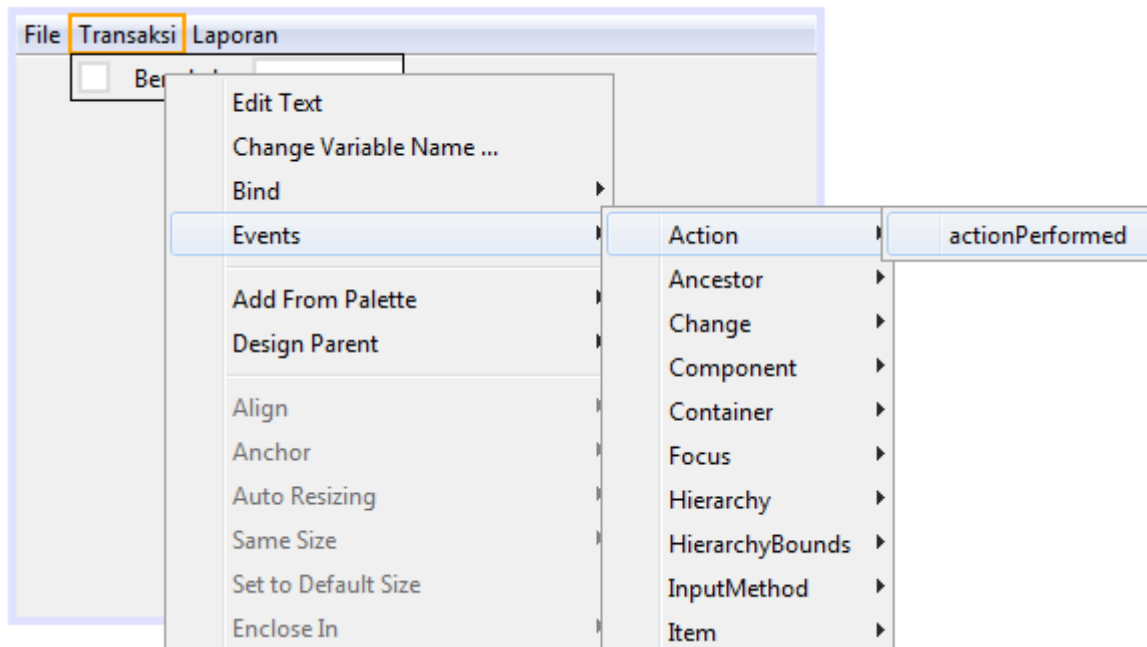
## Menambahkan Fungsi pada button Hapus

```
261 private void btnHapusActionPerformed(java.awt.event.ActionEvent evt) {  
262     // TODO add your handling code here:  
263     hapusData();  
264 }
```

## Menambahkan Fungsi pada button Buat Baru

```
261 private void btnBuatBaruActionPerformed(java.awt.event.ActionEvent evt) {  
262     // TODO add your handling code here:  
263     autoNumber();  
264     bersih();  
265     inisialisasi();  
266 }
```

## Menyatukan Menu Bengkel dan Form Transaksi Bengkel



```
102 private void mnuBengkelActionPerformed(java.awt.event.ActionEvent evt) {  
103     // TODO add your handling code here:  
104     TransaksiBengkel objTransaksiBengkel = new TransaksiBengkel(this, rootPaneCheckingEnabled);  
105     objTransaksiBengkel.show();  
106 }  
107
```

## Menambahkan Fungsi dispose() pada button Keluar

```
271 private void btnKeluarActionPerformed(java.awt.event.ActionEvent evt) {  
272     // TODO add your handling code here:  
273     dispose();  
274 }  
275
```

## Desain Form Kuitansi

**Cetak Kuitansi**

Kd. Pelanggan

Nama Pelanggan

No Services

Total Bayar

txtKdPelanggan

txtNmPelanggan

txtNoServices

txtTotalBayar

btnCetak

## Membuat Fungsi Cari Nama Pelanggan

```
126 private void cariNamaPelanggan() {  
127     try {  
128         Connection con = objKoneksi.bukaKoneksi();  
129         Statement st = con.createStatement();  
130         String sql = "select nm_pel from pelanggan where kd_pel = '"+txtKdPelanggan.getText()+"'";  
131         ResultSet rs = st.executeQuery(sql);  
132         if(rs.next()) {  
133             txtNmPelanggan.setText(rs.getString("nm_pel"));  
134         } else {  
135             JOptionPane.showMessageDialog(null, "Pelanggan Belum Terdaftar");  
136             txtKdPelanggan.setText("");  
137         }  
138     } catch (SQLException e) {  
139         System.out.println(e.getMessage());  
140     }  
141 }  
142
```

```
121 private void txtKdPelangganActionPerformed(java.awt.event.ActionEvent evt) {  
122     // TODO add your handling code here:  
123     cariNamaPelanggan();  
124 }
```

## Membuat Fungsi Untuk Menghitung Total Bayar

```
153 private void hitungTotal(){
154     try {
155         int total = 0;
156         Connection con = objKoneksi.bukaKoneksi();
157         Statement st = con.createStatement();
158         String sql = "select jml_bayar from isi where no_services = '"+txtNoServices.getText()+"'";
159         ResultSet rs = st.executeQuery(sql);
160         while(rs.next()){
161             total = total + Integer.parseInt(rs.getString("jml_bayar"));
162         }
163         txtTotalBayar.setText(""+total);
164     } catch (SQLException e) {
165         System.out.println(e.getMessage());
166     }
167 }

142 private void txtNoServicesActionPerformed(java.awt.event.ActionEvent evt) {
143     // TODO add your handling code here:
144     hitungTotal();
145 }
146
```

## Mengambil Tanggal Sistem

```
21 public class Kuitansi extends javax.swing.JFrame {
22     Koneksi objKoneksi;
23     String tgl;
24
25     public Kuitansi() {
26         initComponents();
27         objKoneksi = new Koneksi();
28         tgl = "";
29         ambilTanggal();
30     }

183 private void ambilTanggal(){
184     Date tanggal = new Date();
185     SimpleDateFormat sdf = new SimpleDateFormat("yyyy-MM-dd");
186     tgl = sdf.format(tanggal);
187 }
```

## Membuat Fungsi Cetak Kuitansi

```
191 private void cetakKuitansi(){
192     try {
193         Connection con = objKoneksi.bukaKoneksi();
194         Statement st = con.createStatement();
195         String sql = "insert into services values('"+txtNoServices.getText()+"', "
196             + "'"+tgl+"', '"+txtTotalBayar.getText()+"', '"+txtKdPelanggan.getText()+"')";
197         int sukses = st.executeUpdate(sql);
198         if(sukses > 0){
199             JOptionPane.showMessageDialog(null, "Kuitansi Berhasil di Tambahkan");
200         }
201     } catch (SQLException e) {
202         System.out.println(e.getMessage());
203     }
204 }
```

```
142 private void btnCetakActionPerformed(java.awt.event.ActionEvent evt) {
143     // TODO add your handling code here:
144     cetakKuitansi();
145 }
```



# Membuat Laporan Kuitansi

Untuk membuat laporan dapat kita kelompokkan menjadi 2 tahap.

**Pertama..** kita akan mendesain laporan pada iReport

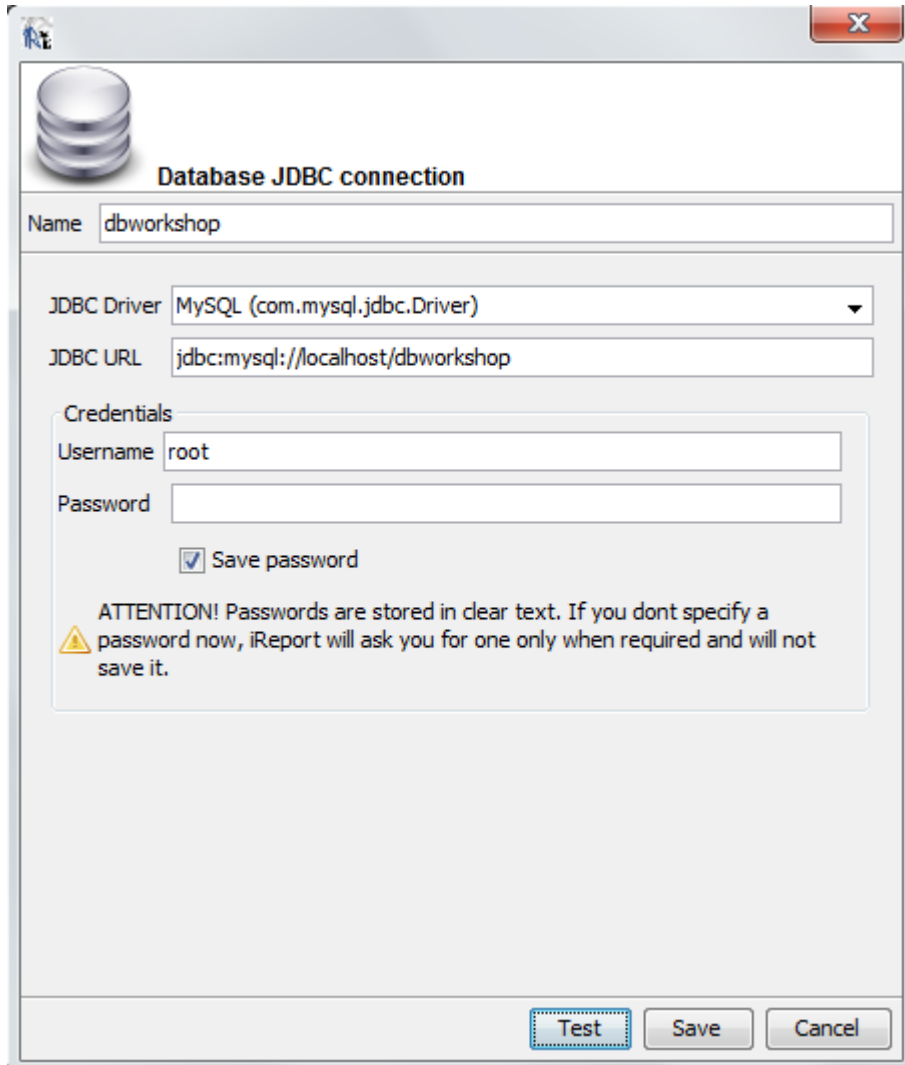
**Kedua..** memanggil file laporan yang sudah kita desain pada program Java

## Desain Laporan pada iReport

## Membuat Koneksi antara iReport dengan Database



## Menentukan Driver dan Lokasi Database



The image shows a 'Database JDBC connection' dialog box. It has a title bar with a close button. Inside, there's a database icon and the title 'Database JDBC connection'. Below this, there's a 'Name' field with the value 'dbworkshop'. Then, a 'JDBC Driver' dropdown menu is set to 'MySQL (com.mysql.jdbc.Driver)'. Below that, a 'JDBC URL' field contains 'jdbc:mysql://localhost/dbworkshop'. A 'Credentials' section follows, with a 'Username' field set to 'root' and an empty 'Password' field. There is a checked checkbox for 'Save password'. A warning message with a yellow triangle icon states: 'ATTENTION! Passwords are stored in clear text. If you dont specify a password now, iReport will ask you for one only when required and will not save it.' At the bottom, there are three buttons: 'Test' (highlighted with a dashed border), 'Save', and 'Cancel'.

**Database JDBC connection**

Name: dbworkshop

JDBC Driver: MySQL (com.mysql.jdbc.Driver)

JDBC URL: jdbc:mysql://localhost/dbworkshop

Credentials

Username: root

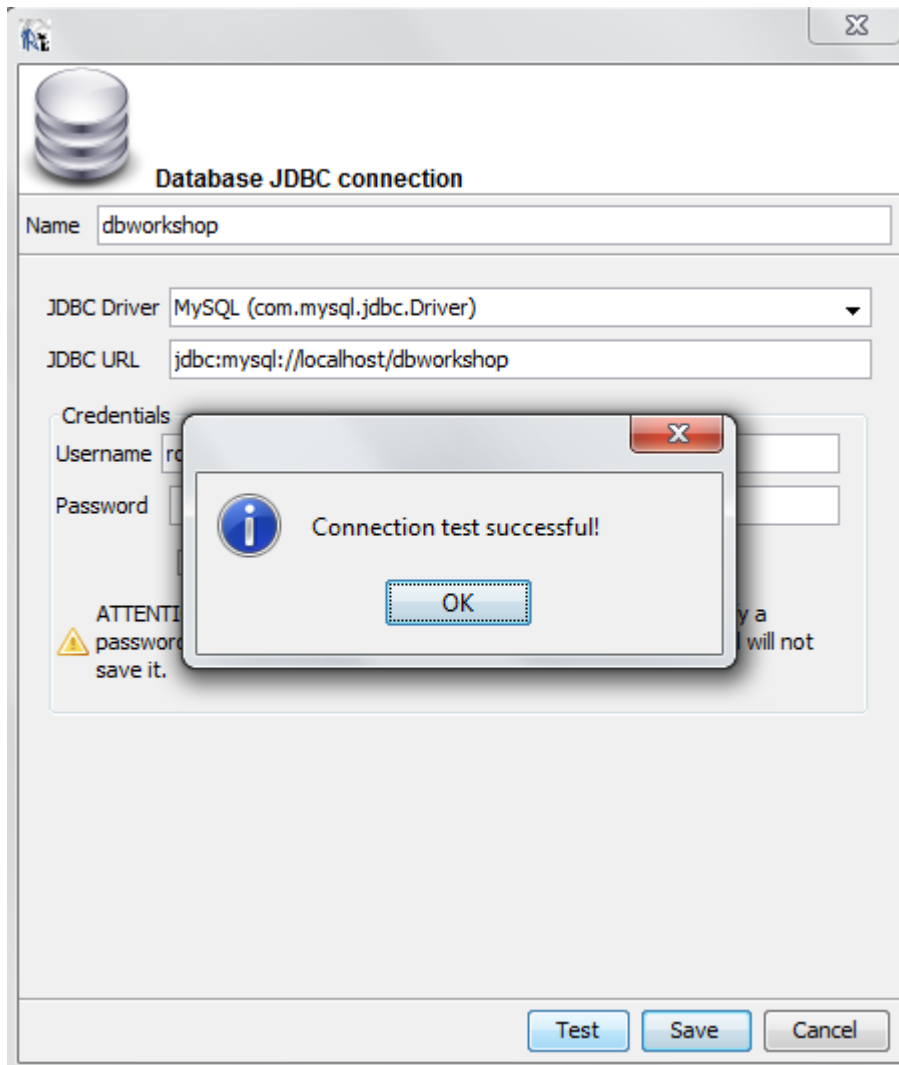
Password:

☒ Save password

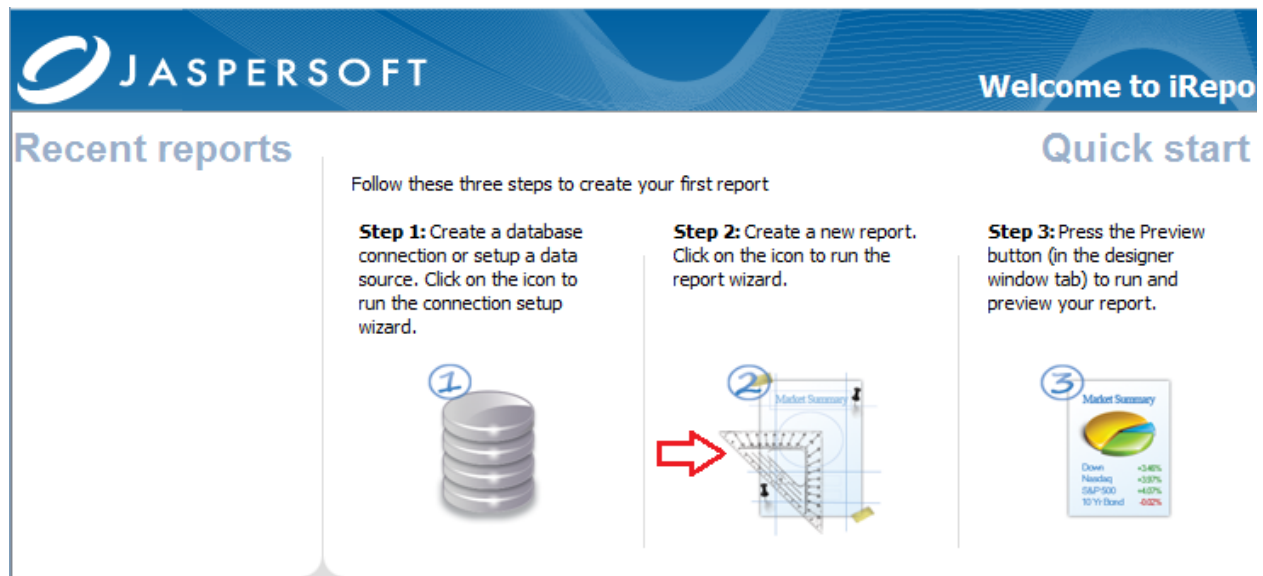
ATTENTION! Passwords are stored in clear text. If you dont specify a password now, iReport will ask you for one only when required and will not save it.

Test Save Cancel

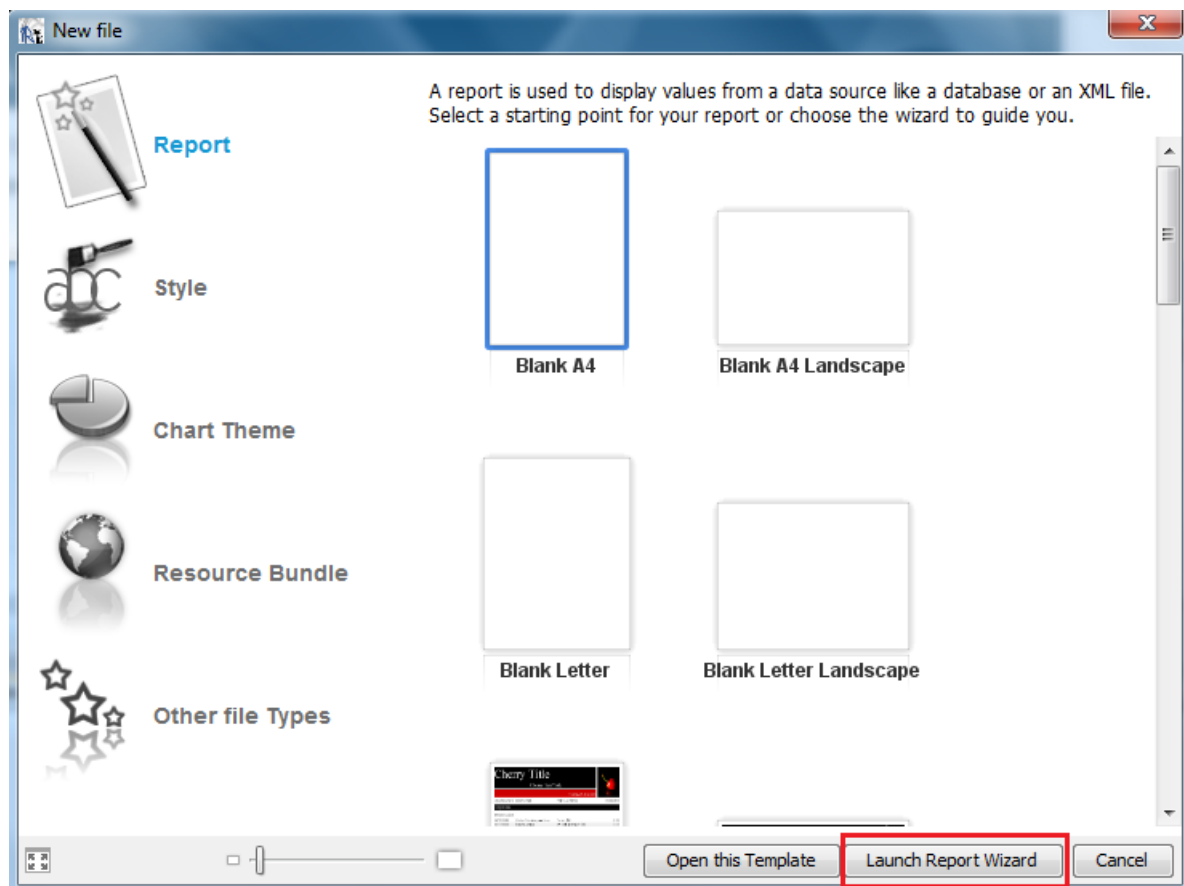
## Test Koneksi Database



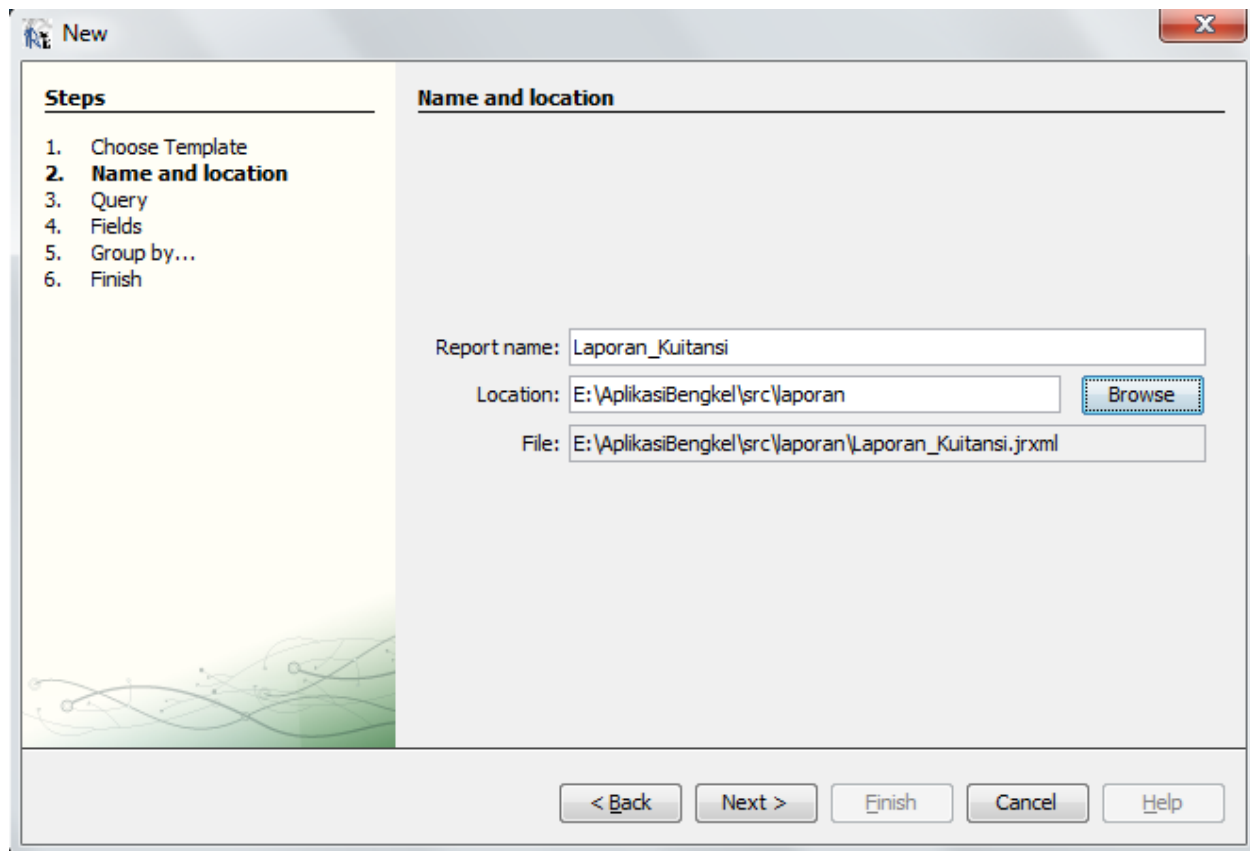
## Membuat Report Baru



## Memilih Template



## Menentukan Nama dan Lokasi Report



The screenshot shows a 'New' report wizard window. On the left, a 'Steps' list contains six items: '1. Choose Template', '2. Name and location' (which is bolded and highlighted), '3. Query', '4. Fields', '5. Group by...', and '6. Finish'. The main area is titled 'Name and location' and contains three input fields: 'Report name:' with the value 'Laporan\_Kuitansi', 'Location:' with the value 'E:\AplikasiBengkel\src\laporan', and 'File:' with the value 'E:\AplikasiBengkel\src\laporan\Laporan\_Kuitansi.jrxml'. A 'Browse' button is positioned to the right of the 'Location' field. At the bottom of the window are five buttons: '< Back', 'Next >', 'Finish', 'Cancel', and 'Help'.

**Steps**

1. Choose Template
- 2. Name and location**
3. Query
4. Fields
5. Group by...
6. Finish

**Name and location**

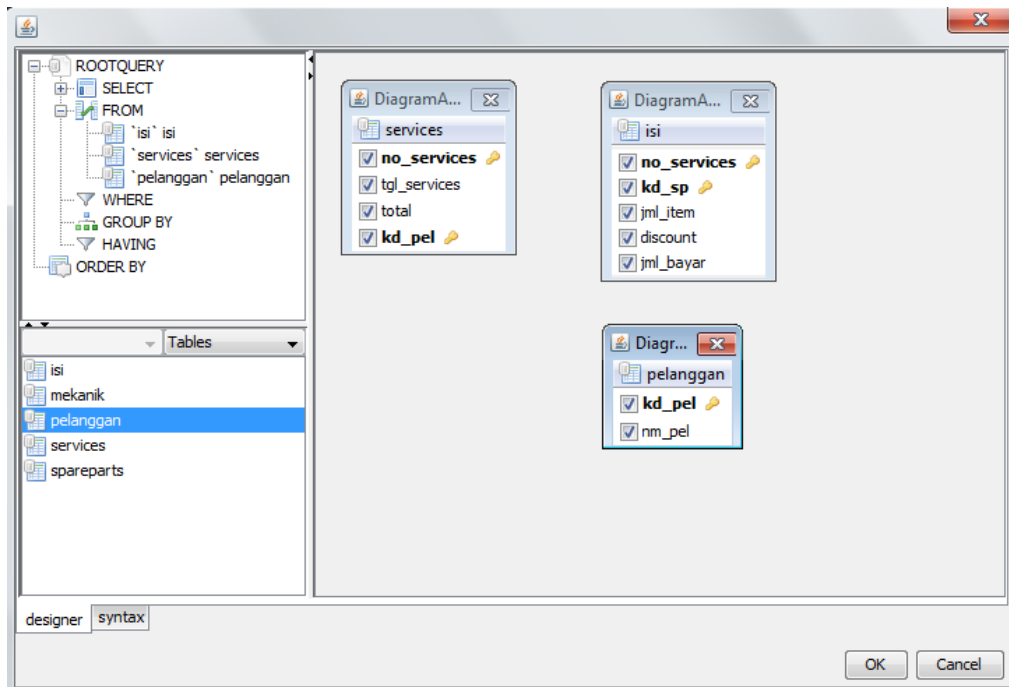
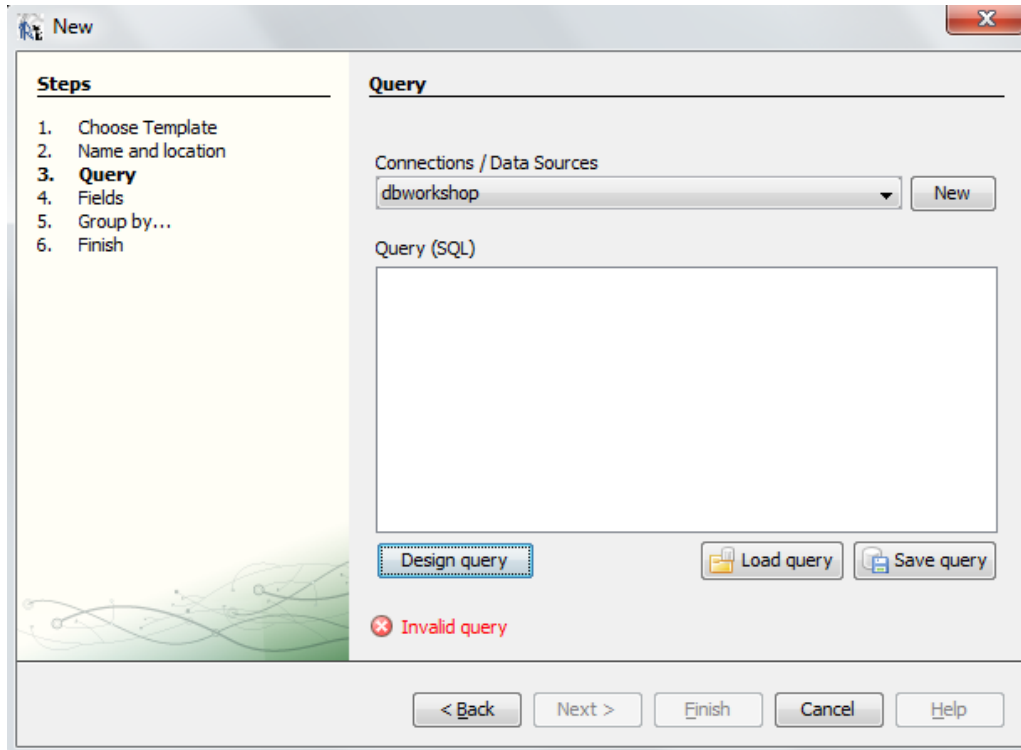
Report name: Laporan\_Kuitansi

Location: E:\AplikasiBengkel\src\laporan

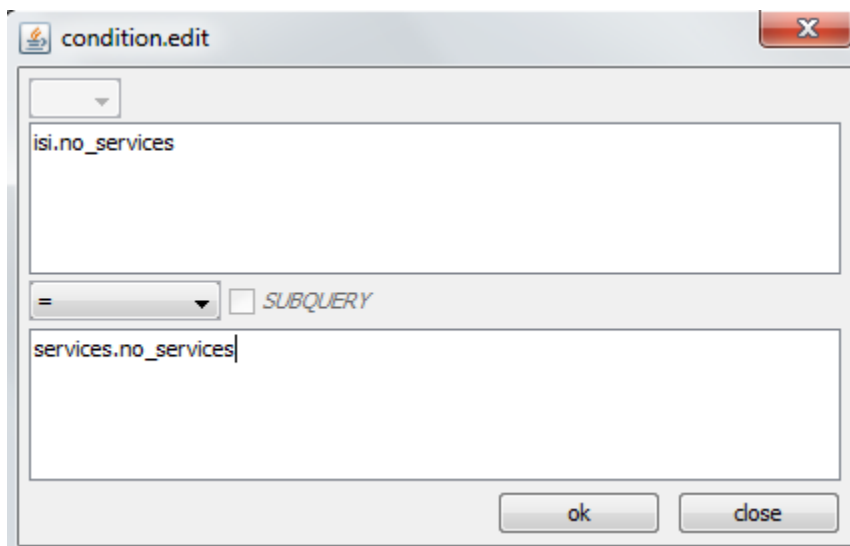
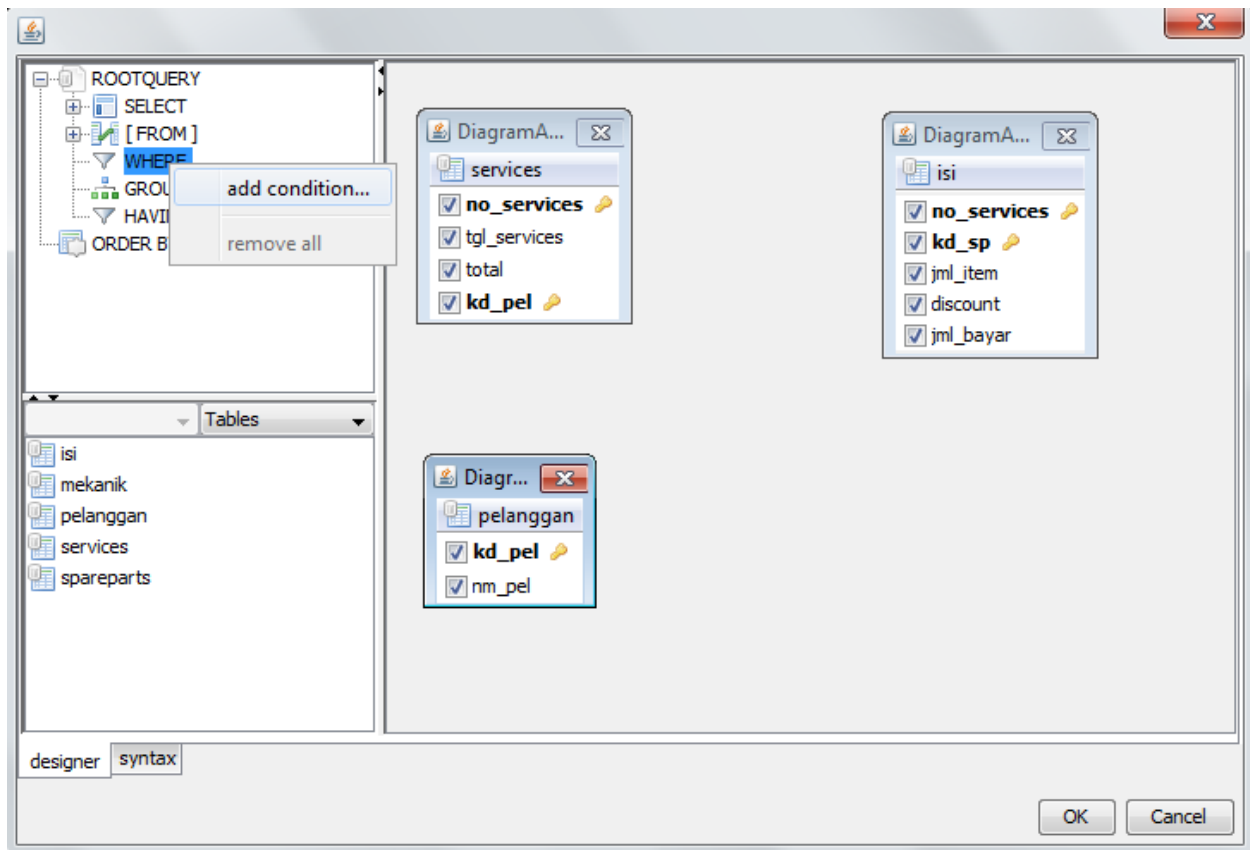
File: E:\AplikasiBengkel\src\laporan\Laporan\_Kuitansi.jrxml

< Back   Next >   Finish   Cancel   Help

# Design Query



## Menambahkan Kondisi



condition.edit

▼

services.kd\_pel

= ▼ ☐ SUBQUERY

pelanggan.kd\_pel

ok close

condition.edit

AND ▼

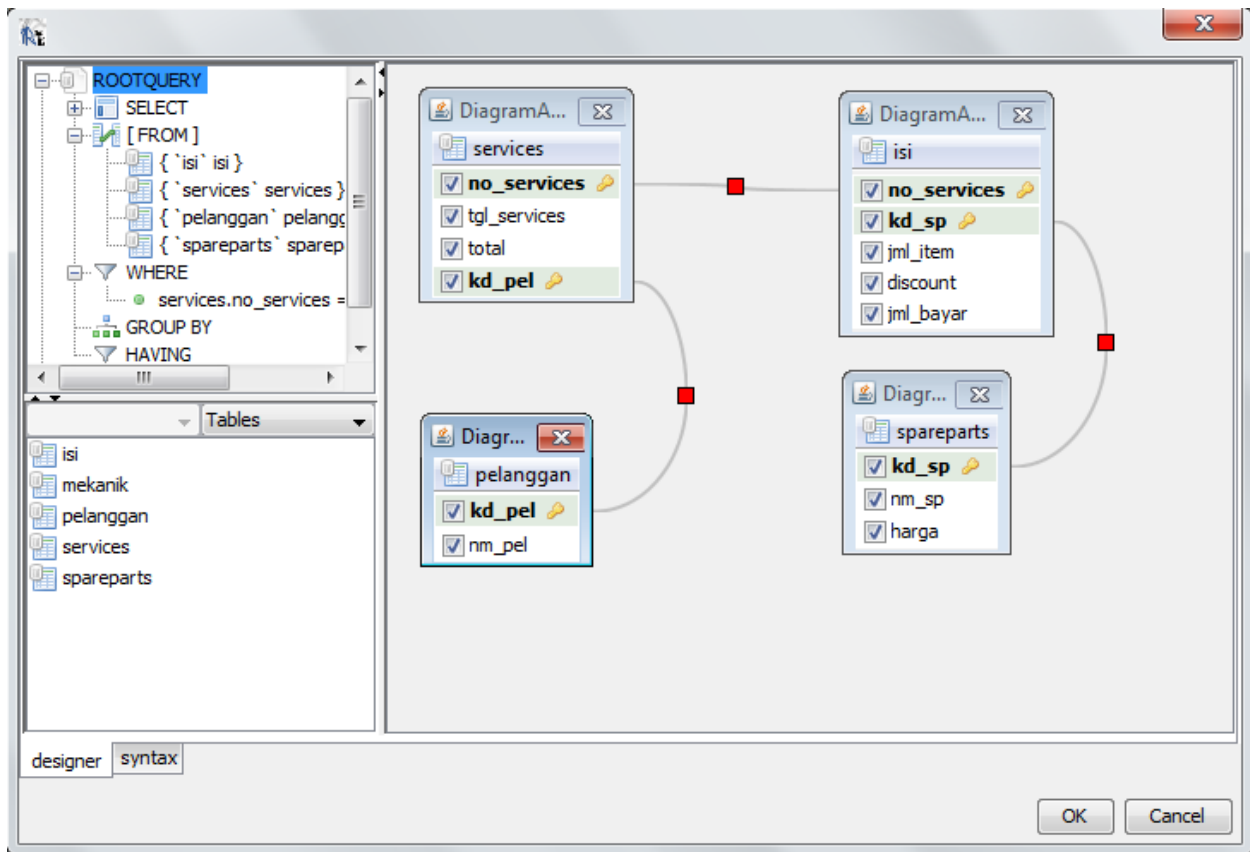
isi.kd\_sp

= ▼ ☐ SUBQUERY

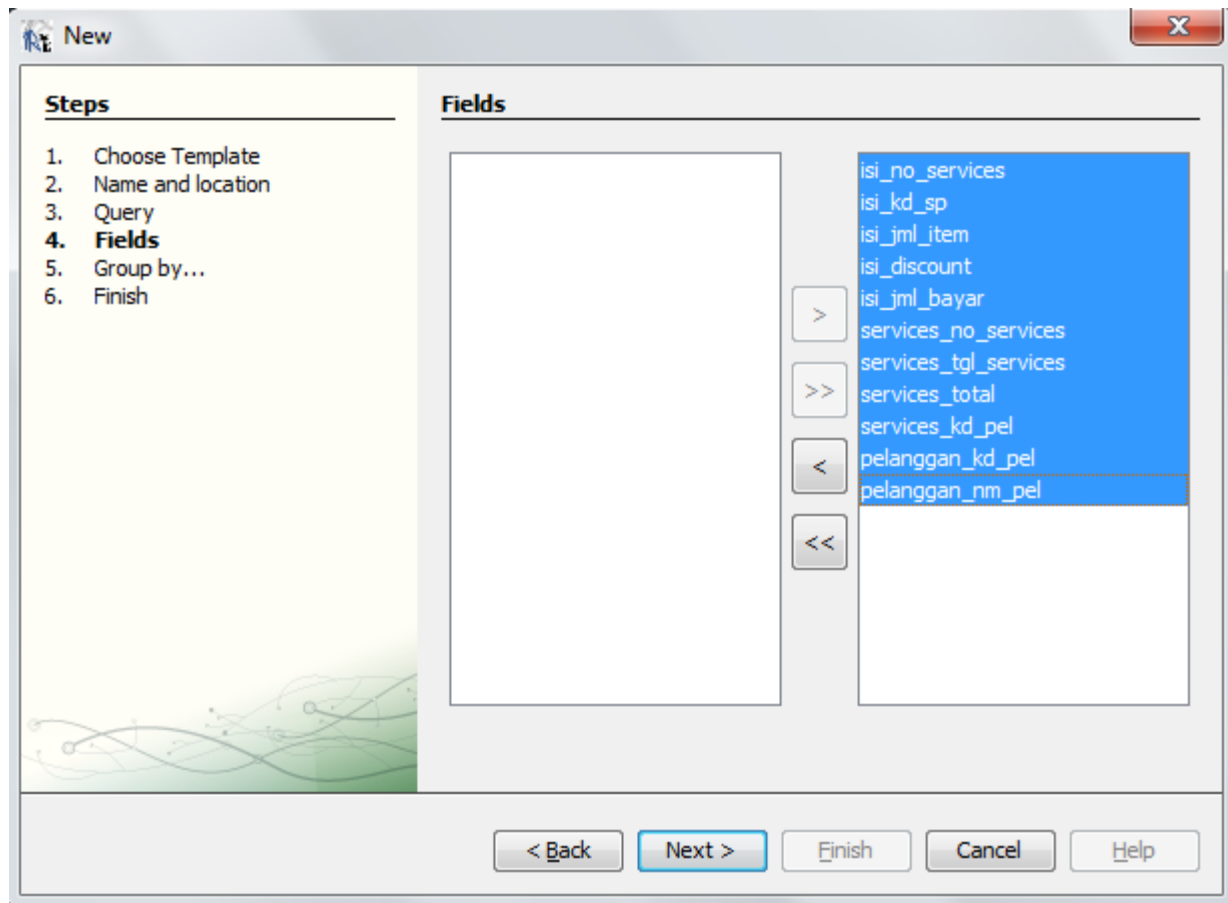
spareparts.kd\_sp

ok close

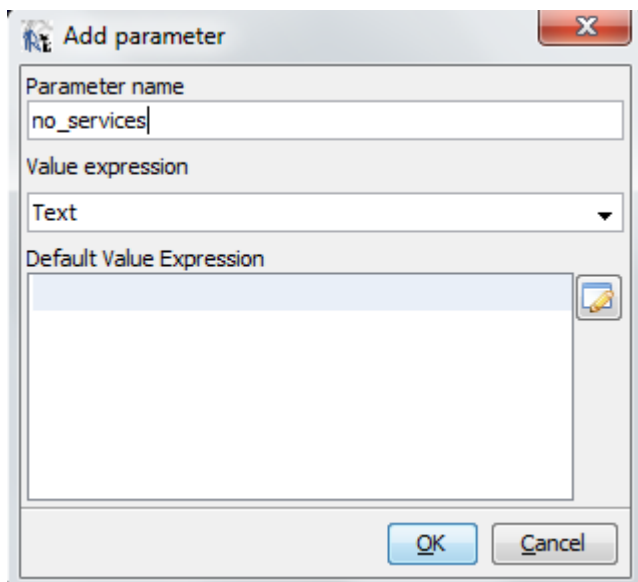
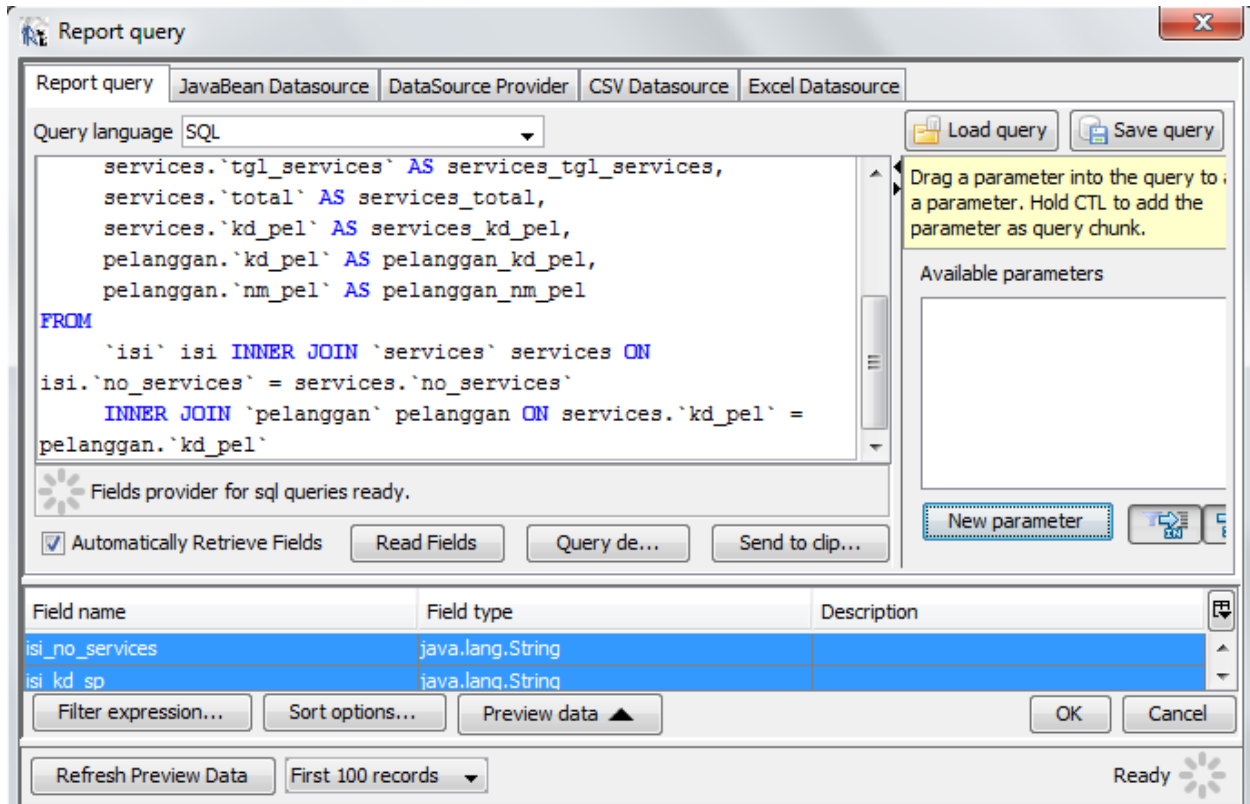




## Memasukan Semua Fields yang Dipilih



## Menambahkan Parameter



condition.edit

AND

services.no\_services

=

☐ SUBQUERY

\$P{no\_services}

ok close

Report query

Report query | JavaBean Datasource | DataSource Provider | CSV Datasource | Excel Datasource

Query language SQL

Load query Save query

Drag a parameter into the query to add a parameter. Hold CTL to add the parameter as query chunk.

Available parameters

no\_services String

New parameter

Ready

☒ Automatically Retrieve Fields Read Fields Query de... Send to clip...

Field name	Field type	Description
isi_no_services	java.lang.String	
isi kd sp	java.lang.String	

Filter expression... Sort options... Preview data ▲

OK Cancel

Refresh Preview Data First 100 records

Ready

# Mendesain Laporan

Kuitansi				
No Services	\$F{services_no_services}			
Tanggal Services	\$F{services_tgl_services}		\$F{pelanggan_nm_pel}	
Detail 1				
Kode Barang	Nama Barang	Jumlah Item	Harga	Jumlah Bayar
\$F{isi_kd_sp}	\$F{spareparts_nm_sp}	\$F{isi_jml}	\$F{isi_hrg}	\$F{isi_jml_bayar}
Total				\$F{services_total}

# Preview Laporan

Kuitansi

No ServicesSER001

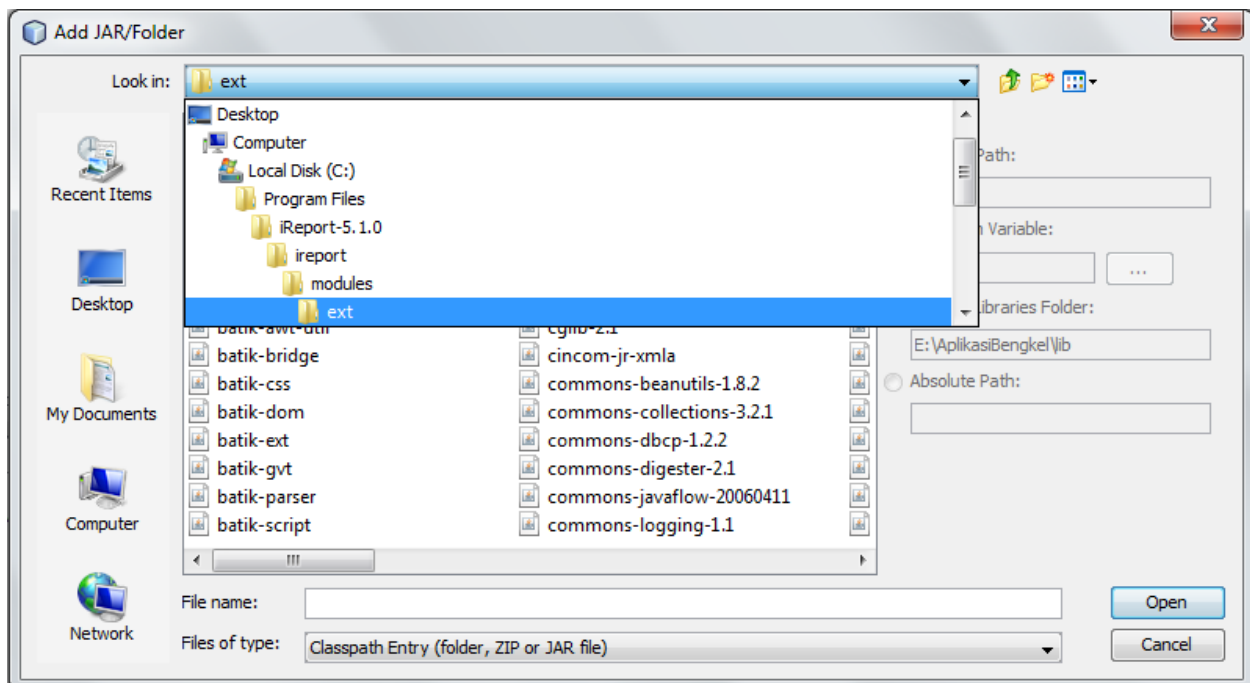
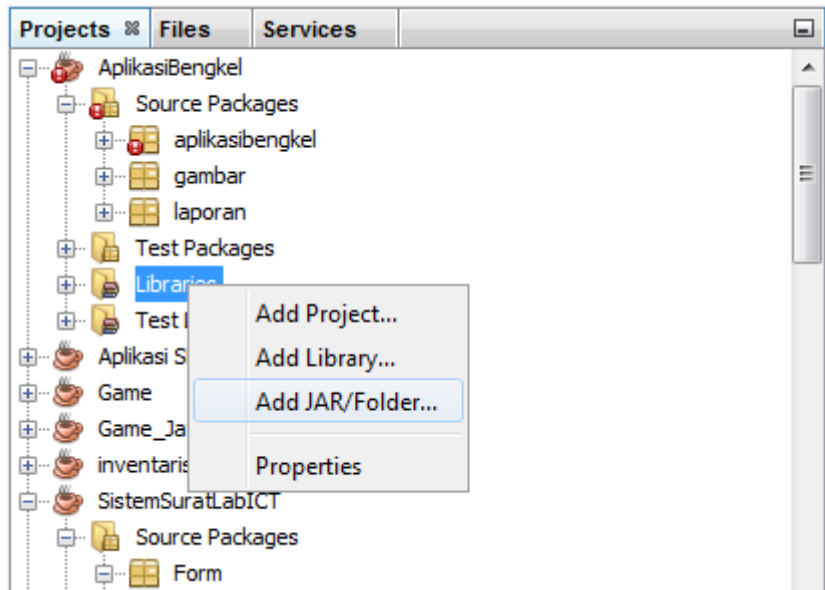
Tanggal Services3/28/14 12:00 AM

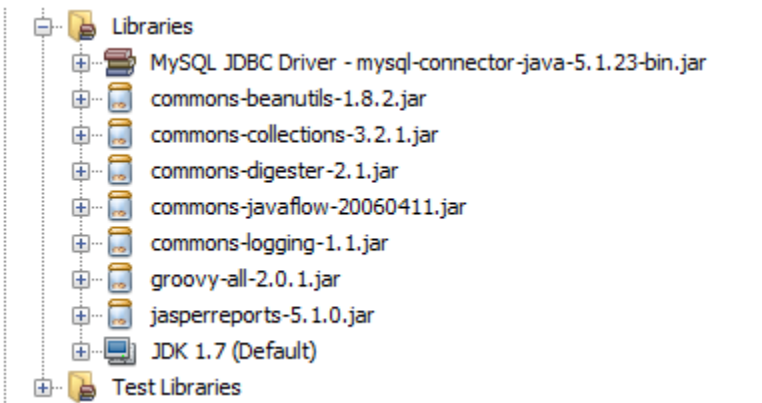
Agung Sulistyanto

Kode Barang	Nama Barang	Jumlah Item	Harga	Jumlah Bayar
SP006	Ban Mijell	2	80000.0	152000.0
SP007	Ban Sualou	6	90000.0	513000.0

# Memanggil Laporan dari Program Java

## Menambahkan Library iReport ke Dalam Project



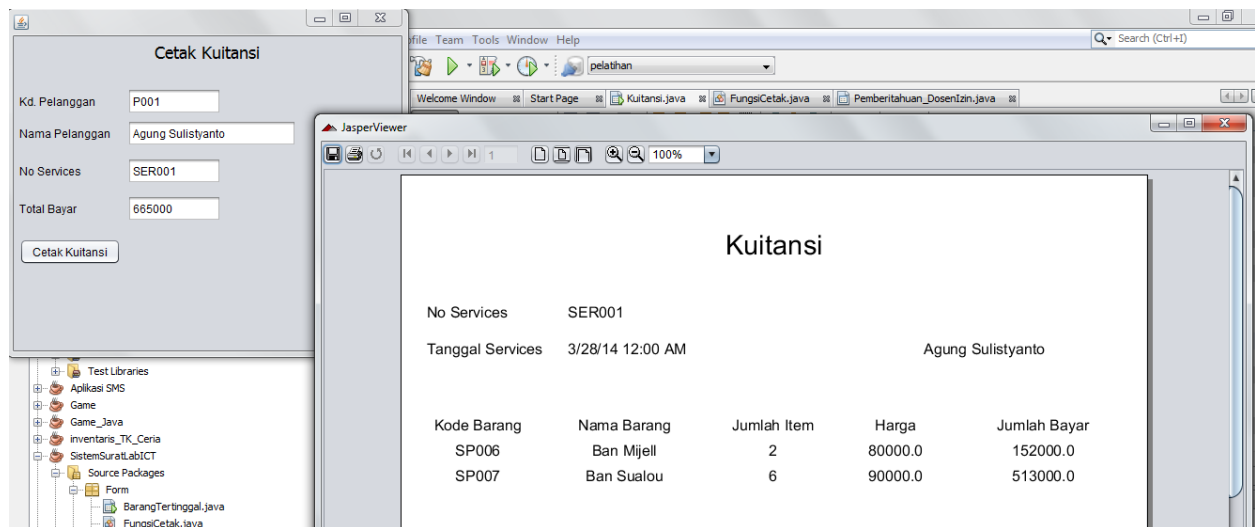


## Menambahkan Fungsi Cetak

```
7   package aplikasibengkel;
8
9   import java.io.File;
10  import java.sql.Connection;
11  import java.util.HashMap;
12  import javax.swing.JOptionPane;
13  import net.sf.jasperreports.engine.JasperFillManager;
14  import net.sf.jasperreports.engine.JasperPrint;
15  import net.sf.jasperreports.engine.JasperReport;
16  import net.sf.jasperreports.engine.util.JRLoader;
17  import net.sf.jasperreports.view.JasperViewer;
18
19  public class FungsiCetak {
20      Koneksi objKoneksi;
21
22      public FungsiCetak(String reportname, String param1) {
23          try{
24              objKoneksi = new Koneksi();
25              Connection con = objKoneksi.bukaKoneksi();
26
27              HashMap parameter = new HashMap();
28              parameter.put("no_services", param1);
29              File report_file = new File (reportname);
30              JasperReport jasperReport = (JasperReport) JRLoader.loadObject(report_file.getPath());
31              JasperPrint jasperPrint = JasperFillManager.fillReport(jasperReport, parameter, con);
32
33              JasperViewer.viewReport(jasperPrint, false);
34              JasperViewer.setDefaultLookAndFeelDecorated(true);
35          } catch (Exception e) {
36              JOptionPane.showMessageDialog (null, e.getMessage());
37          }
38      }
39  }
40
41 }
```

Klik

```
142 private void btnCetakActionPerformed(java.awt.event.ActionEvent evt) {  
143     // TODO add your handling code here:  
144     cetakKuitansi();  
145     new FungsiCetak("./src/laporan/Laporan Kuitansi.jasper", txtNoServices.getText());  
146 }
```



Untuk Mengunduh Materi dan Tutorial Java Lainnya

[www.slideshare.net/agungsulistyanto](http://www.slideshare.net/agungsulistyanto)

Untuk Bertanya Seputar Java

[www.facebook.com/groups/mediatutorial.java.indonesia/](https://www.facebook.com/groups/mediatutorial.java.indonesia/)



## Tentang Penulis

Agung Sulistyanto adalah mahasiswa TI di Universitas Budi Luhur selain kuliah saya juga aktif di LAB ICT Universitas Budi Luhur minat saya untuk pemrograman khususnya Java.