

Mata Kuliah : PBO – TI – S1

Pertemuan : 11

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1. Tugas 1 : tambahkan pada desain form barang field **Harga Beli** sesuai dengan table barang, update di beberapa code untuk penyesuaian dengan field **Harga Beli**

Hasil program :

Data Barang

Kode Barang: K10

Nama Barang: Tomat

Satuan: Sayur

Harga Jual: 9000

Harga Beli: 6500

Stok: 35

Stok Minimal: 7

Kode	Nama Barang	Satuan	Harga	Harga Beli	Stok	Stok Min
K04	Mangga	Buah	12000.0	8000.0	30	0
K05	Semangka	Buah	15000.0	10000.0	20	4
K06	Bayam	Sayur	5000.0	3000.0	70	14
K07	Wortel	Sayur	7000.0	4500.0	50	10
K08	Kubis	Sayur	8000.0	6000.0	40	8
K09	Buncis	Sayur	6500.0	4000.0	60	12
K10	Tomat	Sayur	9000.0	6500.0	35	7

Tambah Simpan **Koreksi** Hapus Batal Keluar

Code program :

Atribut database barang :

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 kd_barang	char(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	2 nm_barang	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 satuan	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4 harga_jual	double			No	None			Change Drop More
<input type="checkbox"/>	5 harga_beli	double			No	None			Change Drop More
<input type="checkbox"/>	6 stok	int(5)			No	None			Change Drop More
<input type="checkbox"/>	7 stok_min	int(5)			No	None			Change Drop More

Data dalam table barang :

			kd_barang	nm_barang	satuan	harga_jual	harga_beli	stok	stok_min
<input type="checkbox"/>	Edit Copy Delete		K01	Apel	Buah	10000	7000	50	10
<input type="checkbox"/>	Edit Copy Delete		K02	Jeruk	Buah	8000	5000	40	8
<input type="checkbox"/>	Edit Copy Delete		K03	Pisang	Buah	6000	4000	60	12
<input type="checkbox"/>	Edit Copy Delete		K04	Mangga	Buah	12000	8000	30	6
<input type="checkbox"/>	Edit Copy Delete		K05	Semangka	Buah	15000	10000	20	4
<input type="checkbox"/>	Edit Copy Delete		K06	Bayam	Sayur	5000	3000	70	14
<input type="checkbox"/>	Edit Copy Delete		K07	Wortel	Sayur	7000	4500	50	10
<input type="checkbox"/>	Edit Copy Delete		K08	Kubis	Sayur	8000	6000	40	8
<input type="checkbox"/>	Edit Copy Delete		K09	Buncis	Sayur	6500	4000	60	12
<input type="checkbox"/>	Edit Copy Delete		K10	Tomat	Sayur	9000	6500	35	7

```

5 package pjppenjualan;

15 import java.sql.*;
16 import javax.swing.*;
17 import javax.swing.table.DefaultTableModel;
18 import javax.swing.JComboBox;

25 public class frmBarang extends javax.swing.JFrame {
26     Connection Con;
27     ResultSet RsBrg;
28     Statement stm;
29     Boolean ada = false;
30     String sSatuan;
31     Boolean edit=false;

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

```

```

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

```

```

50 private void setField(){
51     int row = hasil_table.getSelectedRow();
52     txt_kd_barang.setText((String)hasil_table.getValueAt(row, 0));
53     txt_nm_barang.setText((String)hasil_table.getValueAt(row, 1));
54     combo_satuan.setSelectedItem((String)hasil_table.getValueAt(row, 2));
55     String harga_jual = Double.toString((Double)hasil_table.getValueAt(row, 3));
56     txt_harga_jual.setText(harga_jual);
57     String harga_beli = Double.toString((Double)hasil_table.getValueAt(row, 4));
58     txt_harga_beli.setText(harga_beli);
59     String stok = Integer.toString((Integer)hasil_table.getValueAt(row, 5));
60     txt_stok.setText(stok);
61     String stok_min = Integer.toString((Integer)hasil_table.getValueAt(row, 6));
62     txt_stok_min.setText(stok_min);
63 }
64
65 private void open_db()
66 { try{
67     KoneksiMysql kon = new KoneksiMysql("localhost","root","","penjualan");
68     Con = kon.getConnection();
69     //System.out.println("Berhasil ");
70 }catch (Exception e) {
71     System.out.println("Error : "+e);
72 }
73 }

```

```

75 private void baca_data()
76 {
77     try{
78         stm = Con.createStatement();
79         RsBrg = stm.executeQuery("select * from barang");
80
81         ResultSetMetaData meta = RsBrg.getMetaData();
82         int col = meta.getColumnCount();
83         int baris = 0;
84         while(RsBrg.next()) {
85             baris = RsBrg.getRow();
86         }
87
88         dataTable = new Object[baris][col];
89         int x = 0;
90         RsBrg.beforeFirst();
91         while(RsBrg.next()) {
92             dataTable[x][0] = RsBrg.getString("kd_barang");
93             dataTable[x][1] = RsBrg.getString("nm_barang");
94             dataTable[x][2] = RsBrg.getString("satuan");
95             dataTable[x][3] = RsBrg.getDouble("harga_jual");
96             dataTable[x][4] = RsBrg.getDouble("harga_beli");
97             dataTable[x][5] = RsBrg.getInt("stok");
98             dataTable[x][6] = RsBrg.getInt("stok_min");
99             x++;
100         }
101         hasil_table.setModel(new DefaultTableModel(dataTable,header));
102     }

```

```

101     hasil_table.setModel(new DefaultTableModel(dataTable, header));
102 }
103 catch (SQLException e)
104 {
105     JOptionPane.showMessageDialog(null, e);
106 }
107 }
108
109 private void kosong()
110 {
111     txt_kd_barang.setText("");
112     txt_nm_barang.setText("");
113     txt_harga_jual.setText("");
114     txt_harga_beli.setText("");
115     txt_stok.setText("");
116     txt_stok_min.setText("");
117 }
118
119 private void aktif(boolean x)
120 {
121     txt_kd_barang.setEditable(x);
122     txt_nm_barang.setEditable(x);
123     //cmbSatuan.setEditable(x);
124     combo_satuan.setEnabled(x);
125     txt_harga_jual.setEditable(x);
126     txt_harga_beli.setEditable(x);
127     txt_stok.setEditable(x);
128     txt_stok_min.setEditable(x);
129 }
130
131 private void setTombol(boolean t)
132 {
133     btn_tambah.setEnabled(t);
134     btn_koreksi.setEnabled(t);
135     btn_hapus.setEnabled(t);
136     btn_simpan.setEnabled(!t);
137     btn_batal.setEnabled(!t);
138     btn_keluar.setEnabled(t);
139 }
140
141 private void btn_simpanActionPerformed(java.awt.event.ActionEvent evt) {
142     // TODO add your handling code here:
143     String tkode = txt_kd_barang.getText();
144     String tnama = txt_nm_barang.getText();

```

```

double hrg = Double.parseDouble(txt_harga_jual.getText());
double hrg_beli = Double.parseDouble(txt_harga_beli.getText());
int stk = Integer.parseInt(txt_stok.getText());
int stk_min = Integer.parseInt(txt_stok_min.getText());

try{
    if (edit==true){
        stm.executeUpdate("update barang set nm_barang='"+tnama+"',satuan='"+sSatuan+"',harga_jual="+hrg+",harga_beli="+hrg_beli+" where kd_barang='"+tkode+"'");
    }else{
        stm.executeUpdate("INSERT into barang VALUES ('"+tkode+"','"+tnama+"','"+sSatuan+"','"+hrg+"','"+hrg_beli+"','"+stk+"','"+stk_min+"')");
        hasil_table.setModel(new DefaultTableModel(dataTable,header));
        baca_data();
        aktif(false);
        setTombol(true);
    }catch(SQLException e) {
        JOptionPane.showMessageDialog(null, e);
    }
}

uan='"+sSatuan+"',harga_jual="+hrg+",harga_beli="+hrg_beli+",stok="+stk+",stok_min="+stk_min+" where kd_barang='"+tkode+"'";

ama+"','"+sSatuan+"','"+hrg+"','"+hrg_beli+"','"+stk+"','"+stk_min+"')";

+" where kd_barang='"+tkode+"';

```

```

444 private void btn_tambahActionPerformed(java.awt.event.ActionEvent evt) {
445     // TODO add your handling code here:
446     aktif(true);
447     setTombol(false);
448     kosong();
449 }
450
451 private void btn_koreksiActionPerformed(java.awt.event.ActionEvent evt) {
452     // TODO add your handling code here:
453     edit=true;
454     aktif(true);
455     setTombol(false);
456     txt_kd_barang.setEditable(false);
457 }
458
459 private void btn_hapusActionPerformed(java.awt.event.ActionEvent evt) {
460     // TODO add your handling code here:
461     try{
462         String sql="delete from barang where kd_barang='"+ txt_kd_barang.getText()+"'";
463         stm.executeUpdate(sql);
464         baca_data();
465     }
466     catch(SQLException e)
467     {
468         JOptionPane.showMessageDialog(null, e);
469     }
470 }

```

```

472 private void btn_batalActionPerformed(java.awt.event.ActionEvent evt) {
473     // TODO add your handling code here:
474     aktif(false);
475     setTombol(true);
476 }
477
478 private void btn_keluarActionPerformed(java.awt.event.ActionEvent evt) {
479     // TODO add your handling code here:
480     // System.exit(0);
481     dispose();
482 }
483
484
485
486 private void combo_satuanActionPerformed(java.awt.event.ActionEvent evt) {
487     // TODO add your handling code here:
488     JComboBox cSatuan = (javax.swing.JComboBox)evt.getSource();
489     //Membaca Item Yang Terpilih — > String
490     sSatuan = (String)cSatuan.getSelectedItem();
491 }
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507 private void hasil_tableMouseClicked(java.awt.event.MouseEvent evt) {
508     // TODO add your handling code here:
509     setField();
510 }
511
512
513
514
515
516
517
518
519
520
521
522
523
524 public static void main(String args[]) {
525     /* Set the Nimbus look and feel */
526     Look and feel setting code (optional)
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548     /* Create and display the form */
549     java.awt.EventQueue.invokeLater(new Runnable() {
550         public void run() {
551             new frmBarang().setVisible(true);
552         }
553     });
554 }


```

```

556 // Variables declaration - do not modify
557 private javax.swing.JButton btn_batal;
558 private javax.swing.JButton btn_hapus;
559 private javax.swing.JButton btn_keluar;
560 private javax.swing.JButton btn_koreksi;
561 private javax.swing.JButton btn_simpan;
562 private javax.swing.JButton btn_tambah;
563 private javax.swing.JComboBox<String> combo_satuan;
564 private javax.swing.Box.Filler filler1;
565 private javax.swing.JLabel harga_beli;
566 private javax.swing.JLabel harga_jual;
567 private javax.swing.JTable hasil_table;
568 private javax.swing.JScrollPane jScrollPane1;
569 private javax.swing.JLabel judul;
570 private javax.swing.JLabel kd_barang;
571 private javax.swing.JLabel nm_barang;
572 private javax.swing.JLabel satuan;
573 private javax.swing.JLabel stok;
574 private javax.swing.JLabel stok_min;
575 private javax.swing.JTextField txt_harga_beli;
576 private javax.swing.JTextField txt_harga_jual;
577 private javax.swing.JTextField txt_kd_barang;
578 private javax.swing.JTextField txt_nm_barang;
579 private javax.swing.JTextField txt_stok;
580 private javax.swing.JTextField txt_stok_min;
581 // End of variables declaration
582 }

```

2. Tugas 2 : buat table konsumen, buat form konsumen
Hasil program :



Data Konsumen

Kode Konsumen

K10

Nama Konsumen

Yoga

Alamat

Jl. Barito No.7

Kota

Palembang

Kode Pos

30111

Telepon

089087654

Email

yoga@gmail.com

Kode	Nama Konsumen	Alamat	Kota	Kode Pos	Phone	Email
K06	Eka	Jl. Veteran No.123	Semarang	50123	0867890123	eka@gmail.com
K07	Fajar	Jl. Imam Bonj...	Denpasar	80231	0878901234	fajar@gmail.c...
K08	Lia	Jl. Pandawa N...	Malang	65111	0889012345	lia@gmail.com
K09	Rina	Jl. Superman ...	Makassar	90111	0890123456	rina@gmail.c...
K10	Yoga	Jl. Barito No.7	Palembang	30111	089087654	yoga@gmail....

Tambah

Simpan

Koreksi

Hapus

Batal

Keluar

Code program :

Atribut database konsumen :

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	kd_konsumen	varchar(6)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 2	nm_konsumen	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 3	almt_konsumen	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	kota_konsumen	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 5	kd_pos	varchar(5)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 6	phone	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 7	email	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More

Data dalam table konsumen :

					kd_konsumen	nm_konsumen	almt_konsumen	kota_konsumen	kd_pos	phone	email
<input type="checkbox"/>				K01	Budi	Jl.Merdeka No.10	Jakarta	10110	0812345678	budi@gmail.com	
<input type="checkbox"/>				K02	Ani	Jl.Pahlawan No.5	Surabaya	60271	082345678	ani@gmail.com	
<input type="checkbox"/>				K03	Rudi	Jl.Diponegoro No.15	Yogyakarta	55211	034567890	rudi@gmail.com	
<input type="checkbox"/>				K04	Maya	Jl.Sudirman No.20	Bandung	40111	0845678901	maya@gmail.com	
<input type="checkbox"/>				K05	Dian	Jl.Gatot Subroto No.25	Medan	20222	0856789012	dian@gmail.com	
<input type="checkbox"/>				K06	Eka	Jl.Veteran No.30	Semarang	50123	0867890123	eka@gmail.com	
<input type="checkbox"/>				K07	Fajar	Jl.Imam Bonjol No.12	Denpasar	80231	0878901234	fajar@gmail.com	
<input type="checkbox"/>				K08	Lia	Jl.Pandawa No.40	Malang	65111	0889012345	lia@gmail.com	
<input type="checkbox"/>				K09	Rina	Jl.Suparman No.18	Makassar	90111	0890123456	rina@gmail.com	
<input type="checkbox"/>				K10	Yoga	Jl. Barito No.7	Palembang	30111	089087654	yoga@gmail.com	

```

5 package pjppejualan;
6 import java.sql.*;
7 import java.util.regex.Pattern;
8 import javax.swing.*;
9 import javax.swing.table.DefaultTableModel;

15 public class frmKonsumen extends JFrame {
16     Connection Con;
17     ResultSet RsKons;
18     Statement stm;
19     Boolean ada = false;

Boolean edit=false;

private Object[][] dataTable = null;
private String[] header = {"Kode", "Nama Konsumen", "Alamat", "Kota", "Kode Pos", "Phone", "Email"};

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

37 private void setField(){
38     int row = table_kons.getSelectedRow();
39     txt_kd_kons.setText((String)table_kons.getValueAt(row, 0));
40     txt_nm_kons.setText((String)table_kons.getValueAt(row, 1));
41     txt_alamat_kons.setText((String)table_kons.getValueAt(row, 2));
42     txt_kota_kons.setText((String)table_kons.getValueAt(row, 3));
43     String kd_pos = (String) table_kons.getValueAt(row, 4);
44     txt_kd_pos_kons.setText(kd_pos);
45     String tlpn = (String) table_kons.getValueAt(row, 5);
46     txt_tlpn_kons.setText(tlpn);

```

```

Object emailValue = table_kons.getValueAt(row, 6);
if (emailValue != null) {
    String email = emailValue.toString();
    if (isValidEmail(email)) {
        txt_email_kons.setText(email);
    } else {
        txt_email_kons.setText("Invalid email format");
    }
} else {
    txt_email_kons.setText("");
}
}

public boolean isValidEmail(String email) {
    String emailRegex = "^[a-zA-Z0-9_+&*-]+(?:\\.[a-zA-Z0-9_+&*-]+)*@(?:[a-zA-Z0-9-]+\\.)+[a-zA-Z]{2,7}$";
    Pattern pat = Pattern.compile(emailRegex);
    if (email == null)
        return false;
    return pat.matcher(email).matches();
}

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);
    }
}

```

```

82 private void baca_data()
83 {
84     try{
85         stm = Con.createStatement();
86         RsKons = stm.executeQuery("select * from konsumen");
87
88         ResultSetMetaData meta = RsKons.getMetaData();
89         int col = meta.getColumnCount();
90         int baris = 0;
91         while(RsKons.next()) {
92             baris = RsKons.getRow();
93         }
94
95         dataTable = new Object[baris][col];
96         int x = 0;
97         RsKons.beforeFirst();
98         while(RsKons.next()) {
99             dataTable[x][0] = RsKons.getString("kd_konsumen");
100             dataTable[x][1] = RsKons.getString("nm_konsumen");
101             dataTable[x][2] = RsKons.getString("almt_konsumen");
102             dataTable[x][3] = RsKons.getString("kota_konsumen");
103             dataTable[x][4] = RsKons.getString("kd_pos");
104             dataTable[x][5] = RsKons.getString("phone");
105             dataTable[x][6] = RsKons.getString("email");
106             x++;
107         }
108         table_kons.setModel(new DefaultTableModel(dataTable,header));
109     }
110     catch(SQLException e)
111     {
112         JOptionPane.showMessageDialog(null, e);
113     }
114
115     catch(SQLException e)
116     {
117         JOptionPane.showMessageDialog(null, e);
118     }
119 }

```

```

116     private void kosong()
117     {
118         txt_kd_kons.setText("");
119         txt_nm_kons.setText("");
120         txt_alamat_kons.setText("");
121         txt_kota_kons.setText("");
122         txt_kd_pos_kons.setText("");
123         txt_tlpn_kons.setText("");
124         txt_email_kons.setText("");
125     }
126
127     private void aktif(boolean x)
128     {
129         txt_kd_kons.setEditable(x);
130         txt_nm_kons.setEditable(x);
131         txt_alamat_kons.setEditable(x);
132         txt_kota_kons.setEditable(x);
133         txt_kd_pos_kons.setEditable(x);
134         txt_tlpn_kons.setEditable(x);
135         txt_email_kons.setEditable(x);
136     }
137
138     private void setTombol(boolean t)
139     {
140         btn_tambah.setEnabled(t);
141         btn_koreksi.setEnabled(t);
142         btn_hapus.setEnabled(t);
143         btn_simpan.setEnabled(!t);
144         btn_batal.setEnabled(!t);
145         btn_keluar.setEnabled(t);
146     }
147
148
149     private void btn_tambahActionPerformed(java.awt.event.ActionEvent evt) {
150         // TODO add your handling code here:
151         aktif(true);
152         setTombol(false);
153         kosong();
154     }

```

```

456 private void btn_simpanActionPerformed(java.awt.event.ActionEvent evt) {
457     // TODO add your handling code here:
458     String tkode = txt_kd_kons.getText();
459     String tnm = txt_nm_kons.getText();
460     String talmt = txt_alamat_kons.getText();
461     String tkota = txt_kota_kons.getText();
462     String tkodepos = txt_kd_pos_kons.getText();
463     String ttlpn = txt_tlpn_kons.getText();
464     String temail = txt_email_kons.getText();
465
466     try{
467         if (edit==true){
stm.executeUpdate("UPDATE konsumen SET nm_konsumen='"+tnm+"', almt_konsumen='"+talmt+"', kota_konsumen='"+tkota+"
}else
{
469         '"+tkota+"', kd_pos='"+tkodepos+"', phone='"+ttlpn+"', email='"+temail+"' WHERE kd_konsumen='"+ tkode + "'");
470
stm.executeUpdate("INSERT INTO konsumen (kd_konsumen, nm_konsumen, almt_konsumen, kota_konsumen, kd_pos, phone,
)
table_kons.setModel(new DefaultTableModel(dataTable,header));
baca_data();
aktif(false);
setTombol(true);
}catch(SQLException e) {
JOptionPane.showMessageDialog(null, e);
}

}

473 s, phone, email) VALUES ('"+tkode+"', '"+tnm+"', '"+talmt+"', '"+tkota+"', '"+tkodepos+"', '"+ttlpn+"', '"+temail+"')");
474

485 private void btn_koreksiActionPerformed(java.awt.event.ActionEvent evt) {
486     // TODO add your handling code here:
487     edit=true;
488     aktif(true);
489     setTombol(false);
490     txt_kd_kons.setEditable(false);
491 }
492
493 private void btn_hapusActionPerformed(java.awt.event.ActionEvent evt) {
494     // TODO add your handling code here:
495     try{
496         String sql="delete from konsumen where kd_konsumen='"+ txt_kd_kons.getText()+ "'";
497         stm.executeUpdate(sql);
498         baca_data();
499     }
500     catch(SQLException e)
501     {
502         JOptionPane.showMessageDialog(null, e);
503     }
504 }
505
506 private void btn_batalActionPerformed(java.awt.event.ActionEvent evt) {
507     // TODO add your handling code here:
508     aktif(false);
509     setTombol(true);
510 }

```

```

511 |
512 | private void btn_keluarActionPerformed(java.awt.event.ActionEvent evt) {
513 |     // TODO add your handling code here:
514 |     //      System.exit(0);
515 |     dispose();
516 | }
517 |
518 | private void table_konsMouseClicked(java.awt.event.MouseEvent evt) {
519 |     // TODO add your handling code here:
520 |     setField();
521 | }
522 |
523 | /**
524 |  * @param args the command line arguments
525 |  */
526 | public static void main(String args[]) {
527 |     /* Set the Nimbus look and feel */
528 |     Look and feel setting code (optional)
529 |
530 |     /* Create and display the form */
531 |     java.awt.EventQueue.invokeLater(new Runnable() {
532 |         public void run() {
533 |             new frmKonsumen().setVisible(true);
534 |         }
535 |     });
536 | }
537 |

```

```

// Variables declaration - do not modify
private javax.swing.JLabel alamat_kons;
private javax.swing.JButton btn_batal;
private javax.swing.JButton btn_hapus;
private javax.swing.JButton btn_keluar;
private javax.swing.JButton btn_koreksi;
private javax.swing.JButton btn_simpan;
private javax.swing.JButton btn_tambah;
private javax.swing.JLabel eml_kons;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JLabel judul_kons;
private javax.swing.JLabel kd_kons;
private javax.swing.JLabel kd_pos_kons;
private javax.swing.JLabel kota_kons;
private javax.swing.JLabel nm_kons;
private javax.swing.JTable table_kons;
private javax.swing.JLabel tlpn_kons;
private javax.swing.JTextField txt_alamat_kons;
private javax.swing.JTextField txt_email_kons;
private javax.swing.JTextField txt_kd_kons;
private javax.swing.JTextField txt_kd_pos_kons;
private javax.swing.JTextField txt_kota_kons;
private javax.swing.JTextField txt_nm_kons;
private javax.swing.JTextField txt_tlpn_kons;
// End of variables declaration

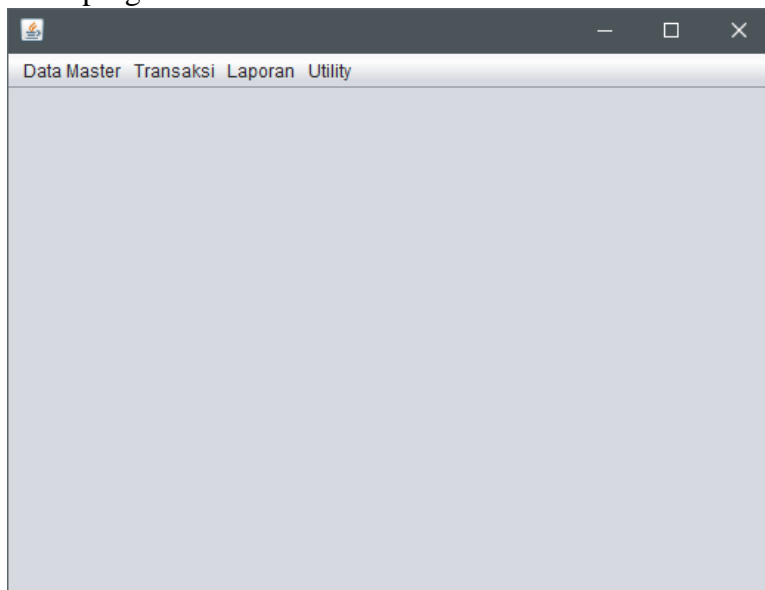
```

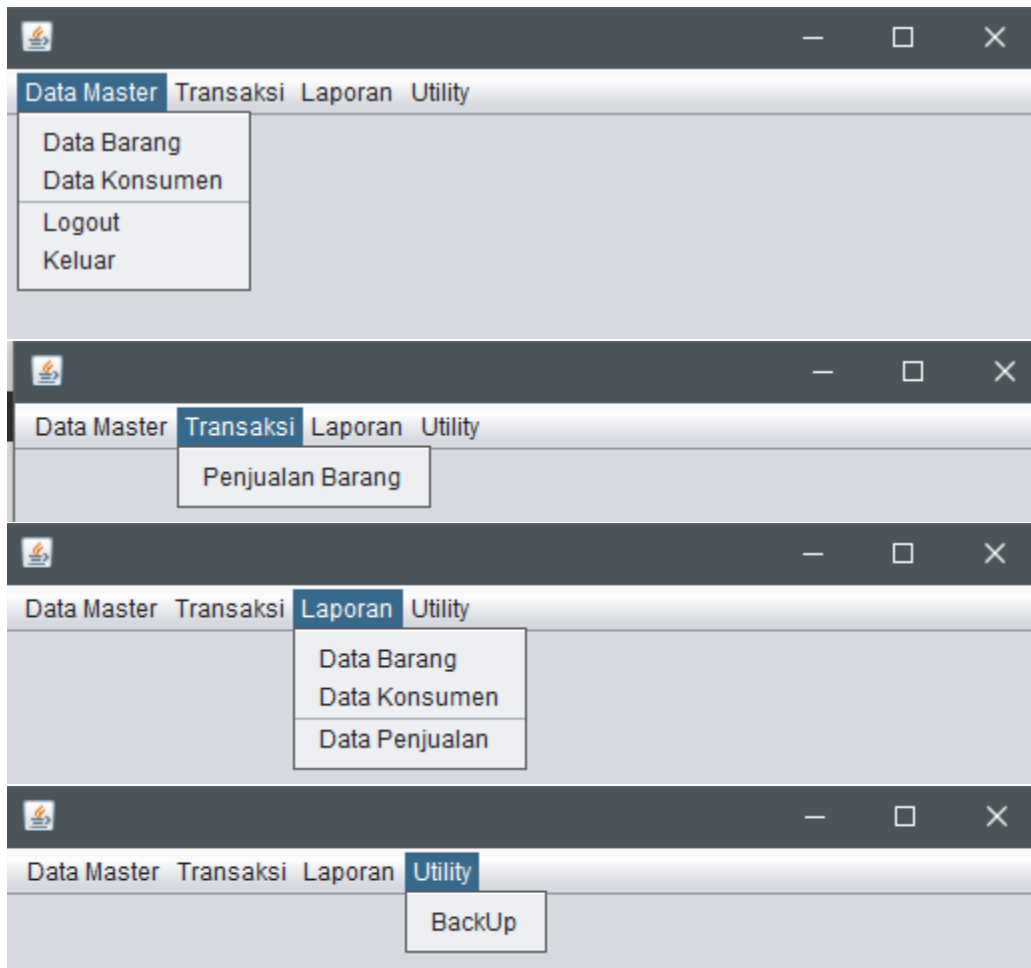
```

}

```

3. Tugas 3 : buat form dari table master sesuai tugas akhir masing – masing
 Hasil program :





Code program :

```
package pjppenjualan;
import java.io.File;
import java.sql.*;
import javax.swing.*;
import javax.swing.JOptionPane;
import net.sf.jasperreports.engine.JasperFillManager;
import net.sf.jasperreports.engine.JasperPrint;
import net.sf.jasperreports.engine.JasperReport;
import net.sf.jasperreports.engine.JasperCompileManager;
import net.sf.jasperreports.view.JasperViewer;
```

```

public class frmmenu extends javax.swing.JFrame {
    Connection Con;
    public String user_login;

    /**
     * Creates new form frmmenu
     */
    public frmmenu() {
        initComponents();
        open_db();
    }

    public frmmenu(String user_login) {
        initComponents();
        open_db();
    }

    private void open_db()
    {
        try{
            KoneksiMysql kon= new KoneksiMysql("penjualan");
            // KoneksiMysql kon = new KoneksiMysql ("192.168.10.1
            Con = kon.getConnection();
            //System.out.println("Berhasil ");
        }catch (Exception e) {
            System.out.println("Error : "+e);
        }
    }

    private void mnBarangActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new frmBarang().setVisible(true);
    }

    private void mnKonsumenActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new frmKonsumen().setVisible(true);
    }

    private void mnLogoutActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        int psn=JOptionPane.showConfirmDialog(this, "Logout System ?", "Pesan",JOptionPane.OK_CANCEL_OPTION, JOptionPane.QUESTION_MESSAGE);
        if (psn==0) {
            dispose();
            new frmLogin().setVisible(true);
        }
    }

    private void mnKeluarActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        int psn=JOptionPane.showConfirmDialog(this, "Yakin keluar", "Pesan",JOptionPane.OK_CANCEL_OPTION, JOptionPane.QUESTION_MESSAGE);
        if (psn==0) System.exit(0);
    }

    private void mnJualActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new frmTransaksi().setVisible(true);
    }
}

```

```

private void mnLapBarangActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    // report rpt = new report("lbarang.jrxml", Con);
    // JasperViewer.viewReport("lap_brg.jrxml", Con);
    // new frmLaporanBarang().setVisible(true);
    try {
        Class.forName("com.mysql.jdbc.Driver");
        Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/penjualan", "root", "");
        String reportPath = "C:/Users/HP/Documents/PRAKTIK-PBO-JAVA-APPLICATION/pjpPenjualan/src/pjppenjualan/Lap_brg.jrxml"; //

        // Memverifikasi path absolut
        File reportFile = new File(reportPath);
        System.out.println("Looking for report at: " + reportFile.getAbsolutePath());
        if (!reportFile.exists()) {
            System.out.println("File not found at the specified path!");
        } else {
            JasperReport jr = JasperCompileManager.compileReport(reportPath);
            JasperPrint jp = JasperFillManager.fillReport(jr, null, con);
            JasperViewer.viewReport(jp);
        }
        con.close();
    } catch (Exception ex) {
        ex.printStackTrace();
    }
}

```

```

private void mnLapJualActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    new LapPenjualan().setVisible(true);
    // report rpt=new report("lap_penjualan.jrxml", Con);
}

```

```

public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    Look and feel setting code (optional)

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new frmMenu().setVisible(true);
        }
    });
}

```

```

// Variables declaration - do not modify
private javax.swing.JCheckBoxMenuItem jCheckBoxMenuItem1;
private javax.swing.JCheckBoxMenuItem jCheckBoxMenuItem2;
private javax.swing.JCheckBoxMenuItem jCheckBoxMenuItem3;
private javax.swing.JCheckBoxMenuItem jCheckBoxMenuItem4;
private javax.swing.JMenu jMenu5;
private javax.swing.JMenu jMenu6;
private javax.swing.JMenuBar jMenuBar1;
private javax.swing.JMenuBar jMenuBar3;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JMenuItem jMenuItem2;
private javax.swing.JMenuItem jMenuItem3;
private javax.swing.JSeparator jSeparator1;
private javax.swing.JSeparator jSeparator2;
private javax.swing.JMenuItem mnBarang;
private javax.swing.JMenu mnData;
private javax.swing.JMenuItem mnJual;
private javax.swing.JMenuItem mnKeluar;
private javax.swing.JMenuItem mnKonsumen;
private javax.swing.JMenuItem mnLapBarang;
private javax.swing.JMenuItem mnLapJual;
private javax.swing.JMenuItem mnLapKonsumen;
private javax.swing.JMenu mnLaporan;
private javax.swing.JMenuItem mnLogout;
private javax.swing.JMenu mnTransaksi;
private javax.swing.JMenu mnUtility;
// End of variables declaration

```

```

}

```