PEMROGRAMAN JAVA Sistem gudang



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BAB I

PENDAHULUAN

A.Latar Belakang

Java Database Connectivity (JDBC) adalah sebuah Application Programming Interface (API) pendukung bahasa pemrograman Java yang mendefinisikan bagaimana sebuah klien dapat mengakses sebuah database. JDBC menyediakan metode-metode untuk query dan update data dalam database. JDBC disertakan dalam bentuk driver dan driver ini bersifat Close Source. Koneksi JDBC mendukung proses pembuatan dan eksekusi statement. Statement-statement ini dapat berupa statement yang dapat di-update seperti SQL CREATE, INSERT, UPDATE, dan DELETE atau dapat juga berupa statement yang membutuhkan query seperti SELECT, dll. Statement-statement update seperti INSERT, UPDATE, da DELETE tersebut memberikan nilai kembalian berupa informasi berapa jumlah baris di database yang telah diperbaharui. Hasil baris ini digunakan untuk mengetahui nilai yang terdapat dalam rangkaian hasil. Sedangkan nilai dari tiap-tiap kolom dalam sebuah baris diperoleh dari pendefinisian nama kolom ataupun nomor kolom yang bersangkutan. Hasil baris juga memiliki metadata yang menjelaskan nama dari masing masing kolom yang mereka bawa dan tipe mereka.

B.Alasan Pemilihan masalah

Berdasarkan latar belakang yang telah di kemukakan ,penulis merumuskan beberapa alasan pemilihan masalah yang antara lain:

Karena proses seiring berkembangnya zaman sistem yang memadai pemakai sangat dibutuhkan membuat pemakai mudah mengaksesnya,hemat waktu dan juga praktis dengan hal ini tentunya di butuhkan aplikasi yang dapat mengelola proses informasi gudang yang mana terdapat keluar dan masuknya barang dengan baik sehingga dapat mengefisiensikan pekerjaan lebih cepat dan sesuai kebutuhan.

BAB II

DATABASE

A.Rancangan Tabel

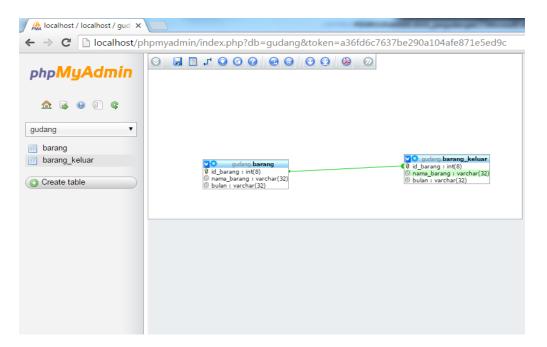
Tabel barang

field	Tipe data	panjang
Id homono	int	0
Id_barang	int	8
Nama_barang	varchar	32
bulan	varchar	32

Tabel barang keluar

field	Tipe data	panjang
Id_barang	int	8
N. I		22
Nama_barang	varchar	32
bulan	varchar	32

B.Relasi Database



BAB III

JDBC

A. Tabel barang

Barang_Input

```
import java.awt.*;
 🖃 👂 barang_input [8]
                          import javax.swing.*;
     🖟 Bulan [21]
                          import java.awt.event.*;
     GUI [32]
                          import java.io.*;
                          import java.sql.*;
     Perintah [51]
     o String [21]
                          class barang_input extends JFrame

ø barang_input [2]

     buttonEXIT [19 10
                              // Deklarasi Label
     buttonSAVE [1]
                           JLabel labelid barang=new JLabel("id barang");
     ocomboBulan [22]
                              JTextField textid_barang=new JTextField(30);
     🎖 labelBulan [16]
                              JLabel labelnama barang=new JLabel("nama barang");
                              JTextField textnama_barang=new JTextField(30);
     abelid_barang [
                              JLabel labelBulan=new JLabel("Bulan");
     abelnama_barai 17
     JButton buttonSAVE=new JButton("SAVE");
     textid_barang [
                    19
                              JButton buttonEXIT=new JButton("EXIT");
                              // Combo box
     textnama_barar
                              String[] Bulan ={"januari","februari","maret","april","mei","juni","juli","agustus","september","oktober","november","desember");
                    21
                              JComboBox comboBulan=new JComboBox(Bulan);
                    23
                              barang_input()
                    25
26
                                  setTitle("Data barang");
                    27
                                  setLocation(30,40);
 28
                                  setSize(450,720):
     🖟 Bulan [21]
                    29
                                  setDefaultCloseOperation(JFrame.HIDE_ON_CLOSE);
     GUI [32]
                    30
                    31
     Perintah [51]
                    32
                              void GUI()
     String [21]
                    33
     // Label
                    34
     buttonEXIT [19 35
                                  getContentPane().setLayout(null);
                                  getContentPane().add(labelid barang); labelid barang.setBounds(20,20,130,20);
     buttonSAVE [1:
                                  getContentPane().add(textid_barang);textid_barang.setBounds(130,20,130,20);
     ocomboBulan [22 38
     abelBulan [16]
                                  getContentPane().add(labelnama barang); labelnama barang.setBounds(20.40.130.20);
                    39
                                  getContentPane().add(textnama_barang);textnama_barang.setBounds(130,40,130,20);
                    40
     abelid_barang [
                    41
     abelnama barai
                    42
     43
                                  getContentPane().add(labelBulan);labelBulan.setBounds(20,80,130,20);
                                  getContentPane().add(comboBulan);comboBulan.setBounds(130,80,130,20);
     textid_barang [
                    45
     textnama_barar
                                  getContentPane().add(buttonSAVE);buttonSAVE.setBounds(20,110,100,20);
                                  getContentPane().add(buttonEXIT);buttonEXIT.setBounds(120,110,130,20);
                     47
                                  setVisible(true);
                     49
                          void Perintah()
52

□ 

    Boarang_input [8]

                    53
                          // button exit
     Bulan [21]
                                     buttonEXIT.addActionListener(new ActionListener(){
                    54
     public void actionPerformed(ActionEvent e) {
     Perintah [51]
                    57
                              if (JOptionPane.showConfirmDialog(
     String [21]
                              null. "apakah anda benar benar akan keluar?". "Konfirmasi".

ø barang_input [2]

                              JOptionPane.OK_CANCEL_OPTION, JOptionPane.QUESTION_MESSAGE)
                              ==JOptionPane.OK_OPTION)
     buttonEXIT [19]
     buttonSAVE [1
                    62
                              System.exit(0):
     comboBulan [22]
     abelBulan [16]
     abelid_barang [
                           // button save
     abelnama_bara
                                     buttonSAVE.addActionListener(new ActionListener(){
                    67
     public void actionPerformed(ActionEvent e) {
     textid_barang [
                                String id_barang,nama_barang,bulan;
     textnama_barar
                     71
                                id barang = textid barang.getText();
                                nama_barang= textnama_barang.getText();
                     72
                     73
                                  bulan=(String)comboBulan.getSelectedItem();
                     74
                                  // input ke database
                    75
```

```
Koneksi open = new Koneksi();
Connection mysql = open.getConnection();

□ 

Box barang_input [8]

                              try
      Bulan [21]
                       79
      Statement stmt = mysql.createStatement();
      String sql = "INSERT INTO barang VALUES('"+id_barang+"','"+nama_barang+"','"+bulan+"');";
      String [21]
                       83
                             int s = stmt.executeUpdate(sql);
      if (s == 1)
      buttonEXIT [19]
                             JOptionPane.showMessageDialog(null, "data barang berhasil disimpan");
      buttonSAVE [1]
      comboBulan [22
      abelBulan [16]
                             catch (Exception ex)
      labelid barang [
      abelnama_bara
                             JOptionPane.showMessageDialog (null, ex.getMessage());
      textid_barang [
      textnama barar
                             });
                       97
                       99
      abelid_barang [
                                 public static void main (String []args)
                      101
      abelnama_barar
                      102
                                 barang_input inputan=new barang_input();
    inputan.GUI();
    inputan.Perintah();
       textid_barang [
       textnama barar
                      106
                     107
108
109
                      110
```

Update_barang

```
import java.awt.*;

■ P edit_barang [8]

                           import javax.swing.*;
      Bulan [24]
                           import java.awt.event.*;
      import java.io.*;
                           import java.sql.*;
      String [24]
                          class edit barang extends JFrame
     buttonEXIT [21]
                               // Deklarasi Label
      huttonSEARCH
      buttonUPDATE
                    12
                               JLabel labelid_barang=new JLabel("id_barang");
      comboBulan [25]
                    13
                               JTextField textid barang=new JTextField(30);
                               JLabel labelnama barang=new JLabel("nama barang");
      14
                               JTextField textnama_barang=new JTextField(30);
      abelBulan [17]
     abelid_barang [
                    17
                               JLabel labelBulan=new JLabel("Bulan");
      abelnama barai
                    18
      19
                               JButton buttonUPDATE=new JButton("UPDATE");
                    20
      textid_barang [
                               JButton buttonEXIT=new JButton("EXIT");
      textnama_barar
                    22
                               JButton buttonSEARCH=new JButton("SEARCH");
                     23
                               // Combo box
                               String[] Bulan = ("januari", "februari", "maret", "april", "mei", "juni", "juli", "agustus", "september", "oktober", "november", "desember");
                    24
                               JComboBox comboBulan=new JComboBox(Bulan);
                     25
                     26
edit_barang()

    ⊕ P edit_barang [8]

                     28
     Bulan [24]
                                   setTitle("Data barang");
                     29
      30
                                   setLocation(30,40);
                    31
32
                                   setSize(450,720);
      Perintah [55]
                                   setDefaultCloseOperation(JFrame.HIDE ON CLOSE);
      String [24]
                     33
      buttonEXIT [21
                    34
                               void GUI()
      buttonSEARCH
                    35
      buttonUPDATE
      omboBulan [25]
                     38
                                   getContentPane().setLayout(null);
      getContentPane().add(labelid barang);labelid barang.setBounds(20,20,130,20);
                                   getContentPane().add(textid_barang);textid_barang.setBounds(130,20,130,20);
      abelBulan [17]
      labelid barang [
                                   getContentPane().add(labelnama barang); labelnama barang.setBounds(20,40,130,20);
                     42
      abelnama_barar
                                   getContentPane().add(textnama_barang);textnama_barang.setBounds(130,40,130,20);
                     44
      45
      textid_barang [
                                   getContentPane().add(labelBulan);labelBulan.setBounds(20,80,130,20);
      textnama_barar
                                   getContentPane().add(comboBulan);comboBulan.setBounds(130,80,130,20);
                     48
                                   getContentPane().add(buttonUPDATE);buttonUPDATE.setBounds(20,110,100,20);
                                   getContentPane().add(buttonEXIT);buttonEXIT.setBounds(120,110,130,20);
```

```
getContentPane().add(buttonSEARCH);buttonSEARCH.setBounds(270,20,130,20);

    ⊕ P edit_barang [8]

                                   setVisible(true);
     Bulan [24]
                     53
     54
                     55
                           void Perintah()
      Perintah [55]
                         56
     String [24]
      buttonEXIT [21
                                      buttonEXIT.addActionListener(new ActionListener() {
                    58
                                      public void actionPerformed(ActionEvent e) {
     huttonSEARCH
                     60
     buttonUPDATE
                     61
                               if (JOptionPane.showConfirmDialog(
     comboBulan [25]
                              null, "apakah anda benar benar akan keluar?", "Konfirmasi",
JOptionPane.OK CANCEL OPTION, JOptionPane.QUESTION MESSAGE)
                     62
     63
                     64
                               ==JOptionPane.OK_OPTION)
     abelBulan [17]
                     65
     abelid_barang [
                               System.exit(0);
     abelnama_bara
                     67
     69
     textid_barang [
                              // BUTTON search
                     70
     textnama_barar
                     71
                                       buttonSEARCH.addActionListener(new ActionListener() {
                     72
                                      public void actionPerformed(ActionEvent e) {
                     73
                     74
75
                                           String search:

    □ 
    P Classes

                                           String id_barang, nama_barag, Bulan,jumlah_tunggakan;
                                           Koneksi open = new Koneksi();
                     76

    ⊕ Pedit barang [8]

                                          Connection mysql = open.getConnection();
                     77
     Bulan [24]
                     78
                                           try
     79
                     80
                                               search=textid_barang.getText();
     81
                                              Statement stmt=mysql.createStatement();
     String [24]
                                              String sql= "SELECT * FROM barang WHERE id_barang like '"+search+"'";
                     82
     buttonEXIT [21
                                              ResultSet s=stmt.executeQuery(sql);
                    83
                                              if(s.next())
     buttonSEARCH
                     84
                    85
     huttonUPDATE
                                                  textid_barang.setText(s.getString(1));
     comboBulan [25]
                    87
                                                  textnama_barang.setText(s.getString(2));
     88
                                                  comboBulan.setSelectedItem(s.getString(3));
                    89
     abelBulan [17]
                     90
     abelid_barang [ 91
     abelnama_barai 92
                                              else
                     93
     JOptionPane.showMessageDialog(null, "Data barang tidak ada ");
     textid_barang [
     textnama barar
                     96
                     97
                                           catch (Exception ex)
                    98
                                           JOptionPane.showMessageDialog(null, ex.getMessage());
                    100
101

■ P edit_barang [8]

                    102
     Bulan [24]
                    103
     GUI [35]
                    104
                    105
                           // button UPDATE
     Perintah [55]
                                      buttonUPDATE.addActionListener
                    106
     String [24]
                    107
                                       (new ActionListener()
     buttonEXIT [21 108
     buttonSEARCH 109
                                      public void actionPerformed(ActionEvent e) {
     buttonUPDATE 110
                                String id_barang,nama_barang,bulan;
     ocomboBulan [2: 112
                                 id_barang = textid_barang.getText();
     nama barang= textnama barang.getText();
     abelBulan [17]
                                  bulan=(String)comboBulan.getSelectedItem();
                    115
                                  // input ke database
     abelid_barang [ 116
     abelnama_barar 117
                          Koneksi open = new Koneksi();
                   118
                          Connection mysql = open.getConnection();
     textid_barang [ 120
                          try
     textnama_barar 121
                    122
                    123
                          | Statement stmt = mvsgl.createStatement():
                   124
                          String sql = "UPDATE barang SET nama_barang='"+nama_barang
```

```
+"',Bulan='"+Bulan
+"'WHERE id_barang='"+id_barang+"'";
                    126
 🗏 👂 edit_barang [8]
     Bulan [24]
                           int s = stmt.executeUpdate(sql);
      129
                    130
      Perintah [55]
                          JOptionPane.showMessageDialog(null, "data data berhasil diUPDATE");
                    131
     o String [24]
     buttonEXIT [21 133
      buttonSEARCH 134
      buttonUPDATE 135
                          catch (Exception ex)
     o comboBulan [2: 137
                          JOptionPane.showMessageDialog (null, ex.getMessage());
      o labelBulan [17] 139
140
labelid_barang [ 141
     abelnama_barai 142
      textid_barang [ 144 145
      textnama_barar 146
                              public static void main (String []args)
                    147
                    148
                                   edit_barang inputan=new edit_barang();
                    149
                                  inputan.GUI();
     textid_barang [ 151
                   150
                                  inputan.Perintah();
      textnama_barar 152
                  153
```

Delete barang

```
import java.awt.*;
                                                    import javax.swing.*;

    Belete_barang [7]

    Beltet_barang [7]

    Beltet_baran
                                                    import java.awt.event.*;
           Bulan [22]
                                                    import java.io.*;
           import java.sql.*;
           Perintah [54]
                                                   class delete barang extends JFrame
           o String [22]
                                          8 ⊟{
           buttonDelete [:
                                                           // Deklarasi Label
           buttonEXIT [19 10
                                        11
                                                            JLabel labelid barang=new JLabel("id barang");
           buttonSEARCH
                                        12
                                                           JTextField textid_barang=new JTextField(30);
           omboBulan [2:
                                        13
                                                            JLabel labelnama barang=new JLabel("nama barang");
                                                           JTextField textnama barang=new JTextField(30);
           abelBulan [16]
                                                            JLabel labelBulan=new JLabel("Bulan");
           abelid_barang [ 17
           abelnama barai 18
                                                            JButton buttonDelete=new JButton("Delete"):
                                                            JButton buttonEXIT=new JButton("EXIT");
            textid_barang [
                                                            JButton buttonSEARCH=new JButton("SEARCH");
                                                            // Combo box
            textnama_barar
                                        22
                                                            String[] Bulan ={"januari","februari","maret","april","mei","juni","juli","agustus","september","oktober","november","desember");
                                         23
                                                            JComboBox comboBulan=new JComboBox(Bulan);
                                        24
                                        25
                                                            delete barang()
                                        26
 setTitle("Data barang");
                                        27

□ 

Ø delete_barang [7]

                                        28
                                                                    setLocation(30.40):
          Bulan [22]
                                        29
                                                                    setSize(450,720);
           GUI [33]
                                                                   setDefaultCloseOperation(JFrame.HIDE ON CLOSE);
                                        30
                                        31
           Perintah [54]
                                        32
           o String [22]
                                                           void GUI()
                                        33
           buttonDelete [: 34
           buttonEXIT [19 35
                                                                   // Label
                                        36
                                                                   getContentPane().setLayout(null);
           buttonSEARCH
                                                                    getContentPane().add(labelid barang); labelid barang.setBounds(20,20,130,20);
                                        37
           ocomboBulan [2: 38
                                                                   getContentPane().add(textid_barang);textid_barang.setBounds(130,20,130,20);
           40
                                                                   getContentPane().add(labelnama_barang); labelnama_barang.setBounds(20,40,130,20);
           abelBulan [16]
                                         41
                                                                   getContentPane().add(textnama_barang);textnama_barang.setBounds(130,40,130,20);
           abelid_barang [ 42
           abelnama_barai 43
                                         44
           45
                                                                    getContentPane().add(labelBulan);labelBulan.setBounds(20,80,130,20);
           textid_barang [
                                        46
                                                                    getContentPane().add(comboBulan);comboBulan.setBounds(130,80,130,20);
           textnama barar
                                         47
                                         48
                                                                    getContentPane().add(buttonDelete);buttonDelete.setBounds(20,110,100,20);
                                         49
                                                                    getContentPane().add(buttonEXIT);buttonEXIT.setBounds(120,110,130,20);
                                        50
                                                                    getContentPane().add(buttonSEARCH);buttonSEARCH.setBounds(270,20,130,20);
```

```
setVisible(true):

    □ 
    B Classes

  53
      Bulan [22]
                    54
                          void Perintah()
      55
      Perintah [54]
                                     buttonEXIT.addActionListener(new ActionListener(){
                    57
      5 String [22]
                     58
                                     public void actionPerformed(ActionEvent e) {
      buttonDelete [:
                    59
      buttonEXIT [19
                    60
                              if (JOptionPane.showConfirmDialog(
                              null, "apakah anda benar benar akan keluar?", "Konfirmasi",
                     61
      buttonSEARCH
                              JOptionPane.OK_CANCEL_OPTION, JOptionPane.QUESTION_MESSAGE)
      ocomboBulan [23]
                    63
                              ==JOptionPane.OK_OPTION)
      64
      abelBulan [16]
                     66
      abelid barang [
                    67
      abelnama_bara
                     69
                            // BUTTON search
      buttonSEARCH.addActionListener(new ActionListener() {
                     70
      textid_barang [
                                     public void actionPerformed(ActionEvent e) {
      textnama_barar
                    72
                     73
                                          String search;
                                          String id_barang, nama_barang, Bulan,jumlah_tunggakan;
                                          Koneksi open = new Koneksi();
Connection mysql = open.getConnection();

■ 

    Classes

                                          try
  78
     Bulan [22]
                     79
                                              search=textid_barang.getText();
      GUI [33]
                     80
                                              Statement stmt=mysql.createStatement();
                     81
                                             String sgl= "SELECT * FROM barang WHERE id barang like '"+search+"'";
      ResultSet s=stmt.executeQuery(sql);
                     82
      o String [22]
                    83
                                             if(s.next())
      buttonDelete [:
                     84
                                                 textid_barang.setText(s.getString(1));
      buttonEXIT [19
                     86
                                                 textnama_barang.setText(s.getString(2));
     buttonSEARCH
                     87
                                                 comboBulan.setSelectedItem(s.getString(3));
     ocomboBulan [2: 88
      89
      abelBulan [16]
                     90
                     91
                                             else
      abelid_barang [
                    92
      abelnama_barai 93
                                                 JOptionPane.showMessageDialog(null, "Data barang tidak ada ");
      95
      textid barang [
                    96
                                          catch (Exception ex)
      textnama_barar 97
                                          JOptionPane.showMessageDialog(null, ex.getMessage());
                    98
                    99
∃ 👂 delete_barang [7]
                   103
     Bulan [22]
                   104
                           // button Delete
                         | BbuttonDelete.addActionListener(new ActionListener() {
      GUI [33]
                   105
                   106
                                     public void actionPerformed(ActionEvent e) {
     Perintah [54]
                   107
                                String id_barang, nama_barang, bulan;
     o String [22]
                                id_barang = textid_barang.getText();
                   108
     buttonDelete [: 109
                                nama_barang= textnama_barang.getText();
      buttonEXIT [19 110
                                bulan= (String)comboBulan.getSelectedItem();
      buttonSEARCH 111
      o comboBulan [2: 113
                                 // DELETE ke database
      abelBulan [16] 115
                          Koneksi open = new Koneksi();
                   116
                          Connection mysql = open.getConnection();
      abelid_barang [ 117
                          try
      abelnama_barar 118
      119
                   120
                          Statement stmt = mysql.createStatement();
      textid_barang [ 121
                          String sql = "DELETE FROM barang WHERE id_barang=""+id_barang+"";
      textnama_barar 122
                          int s = stmt.executeUpdate(sql);
                   123
                          if (s == 1)
                   124
                          JOptionPane.showMessageDialog(null, "data barang berhasil dihapus");
                   125
```

```
□ 👂 Classes
  ☐ 3 delete_barang [7]
     Bulan [22]
     131
                         catch (Exception ex)
     Perintah [54]
     String [22]
                             JOptionPane.showMessageDialog (null, ex.getMessage());
                   133
     buttonDelete [: 134
     buttonEXIT [19 135
     buttonSEARCH 136
     o comboBulan [2: 138
     • labelBulan [16] 140 141 142
                        public static void main(String []args)
                                 delete_barang inputan=new delete_barang();
inputan.GUI();
     abelnama_barai 143
     inputan.Perintah();
     textnama_barar 147
```

View barang

```
import java.awt.*;
                        import java.sql.*;
 import javax.swing.*;
     import javax.swing.table.*;
     Object [13]
     ScrollTable [12] 6
                        class view_barang extends JPanel
     String [9]
     dataTable [13] 9
                         String[] header = {"id_barang", "nama_barang", "bulan"};
     header [9]
                         JTable table = new JTable();
     JScrollPane ScrollTable = new JScrollPane();
     7 table [11]
                         private Object[][] dataTable = null;
     view_barang()
                   16
                         Koneksi open = new Koneksi();
                   17
                         Connection mysql = open.getConnection();
                   18
                   19
                        try
                   20
                        Statement stmt = mysql.createStatement();
                        String sql = "SELECT * FROM barang ";
                        ResultSet rs = stmt.executeQuery(sql);
                        ResultSetMetaData meta = rs.getMetaData();
                        int kolom = meta.getColumnCount();
                         int baris = 0;

    □ 
    B Classes

                   26
                        while (rs.next())

    ⊕ View_barang [7]

                   28
     29
                         baris = rs.getRow();
     object [13]
                  30
     ScrollTable [12] 31
                         dataTable = new Object[baris][kolom];
     String [9]
                         int x= 0;
     ataTable [13] 34
                         rs.beforeFirst();
     header [9]
                   35
                         while(rs.next())
     37
                          dataTable[x][0] = rs.getString("id_barang");
     🔊 table [11]
                          dataTable[x][1] = rs.getString("nama_barang");
                  38
     dataTable[x][2] = rs.getString("bulan");
                   40
                   41
                   42
                           ScrollTable.setViewportView(table);
                   43
                           table.setModel(new DefaultTableModel(dataTable, header));
                           add(ScrollTable,BorderLayout.NORTH);
                   44
                   45
                           stmt.close();
                   46
                           rs.close();
                   47
                   48
                           catch (Exception ex)
                   49
                            JOptionPane.showMessageDialog (null, "data barang error");
```

```
□ 

    Classes

                    52

    ⊕ View_barang [7]

                    53
      void GUI()
                    54
      o Object [13]
                    55
                              JFrame frame = new JFrame("data barang");
      ScrollTable [12] 56
                              frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
      String [9]
                               view barang content = new view barang ();
      dataTable [13]
                              content.setOpaque(true);
     header [9]
                              frame.setContentPane(content);
     frame.setLocationRelativeTo(null);
     atable [11]
                    63
                              frame.setVisible(true);
      65
                         public static void main(String []args)
                    66
                    67
                                  view_barang inputan=new view_barang();
                    68
                                  inputan.GUI();
                    69
                    70
                    71
                    72
                    73
```

B.Tabel barang keluar

Input

```
import java.awt.*;

■ 

    input [8]

                            import javax.swing.*;
      Bulan [21]
                            import java.awt.event.*;
      import java.io.*;
                           import java.sgl.*;
      Perintah [51]
      o String [21]
                           class input extends JFrame
      buttonEXIT [19
                               // Deklarasi Label
                     10
      buttonSAVE [1:
     o comboBulan [2: 11
                               JLabel labelid_barang=new JLabel("id_barang");
      JTextField textid_barang=new JTextField(30);
JLabel labelnama_barang=new JLabel("nama_barang");
                     13
      abelBulan [16]
                               JTextField textnama_barang=new JTextField(30);
      abelid_barang [
                     16
                               JLabel labelBulan=new JLabel("Bulan");
     abelnama_barai
      JButton buttonSAVE=new JButton("SAVE");
                     18
                               JButton buttonEXIT=new JButton("EXIT");
      textid_barang [
                     20
      textnama_barar
                               String[] Bulan ={"januari","februari","maret","april","mei","juni","juli","agustus","september","oktober","november","desember");
                     21
                               JComboBox comboBulan=new JComboBox(Bulan);
                     22
                     23
                     24
                               input()
                     25
26
                                   setTitle("barang_keluar");
27
                                   setLocation(30,40);
 28
                                    setSize(450,720);
     Bulan [21]
                     29
                                   setDefaultCloseOperation(JFrame.HIDE_ON_CLOSE);
      GUI [32]
                     30
                     31
      Perintah [51]
                     32
                               void GUI()
     o String [21]
                     33
      buttonEXIT [19]
                     34
      buttonSAVE [1]
                     35
                                   getContentPane().setLayout(null);
                     36
                                   getContentPane().add(labelid barang); labelid barang.setBounds(20,20,130,20);
      ocomboBulan [22]
                     37
                                   getContentPane().add(textid barang);textid barang.setBounds(130,20,130,20);
      input [24]
                     38
      abelBulan [16]
                     39
                                   getContentPane().add(labelnama_barang);labelnama_barang.setBounds(20,40,130,20);
                                   getContentPane().add(textnama_barang);textnama_barang.setBounds(130,40,130,20);
      abelid barang [
                     41
      abelnama barai
                     42
      43
                                   getContentPane().add(labelBulan); labelBulan.setBounds(20,80,130,20);
                     44
                                   getContentPane().add(comboBulan);comboBulan.setBounds(130,80,130,20);
      textid_barang [
      textnama_barar
                     46
                                   getContentPane().add(buttonSAVE);buttonSAVE.setBounds(20,110,100,20);
                     47
                                   getContentPane().add(buttonEXIT);buttonEXIT.setBounds(120,110,130,20);
                     48
                                    setVisible(true);
                     49
                     50
```

```
void Perintah()
□ 👂 Classes
                    52
 53
                         // button exit
     🖟 Bulan [21]
                    54
                                     buttonEXIT.addActionListener(new ActionListener(){
     55
                                     public void actionPerformed(ActionEvent e) {
                    56
     57
                             if (JOptionPane.showConfirmDialog(
     o String [21]
                              null, "apakah anda benar benar akan keluar?", "Konfirmasi",
                    58
                             JOptionPane.OK CANCEL_OPTION, JOptionPane.QUESTION_MESSAGE)
     buttonEXIT [19]
                    59
                              ==JOptionPane.OK_OPTION)
     buttonSAVE [1 60
                    61
     ocomboBulan [22]
                    62
                             System.exit(0);
     input [24]
                    63
     abelBulan [16] 64
                    65
                           });
     abelid_barang [
                    66
                         // button save
     abelnama_barai 67
                                     buttonSAVE.addActionListener(new ActionListener(){
     68
                                     public void actionPerformed(ActionEvent e) {
     textid_barang [ 69
                               String id_barang,nama_barang,bulan;
     textnama_barar
                    71
                               id_barang = textid_barang.getText();
                    72
                               nama_barang= textnama_barang.getText();
                    73
                                 bulan=(String)comboBulan.getSelectedItem();
                    74
                                 // input ke database
                    75
76
Koneksi open = new Koneksi();
                    77
                         Connection mysql = open.getConnection();
 78
                         try
     Bulan [21]
                    79
     80
                    81
                         Statement stmt = mysql.createStatement();
     Perintah [51]
                    82
                         String sql = "INSERT INTO barang_keluar VALUES('"+id_barang+"','"+nama_barang+"','"+bulan+"');";
     o String [21]
                    83
                         int s = stmt.executeUpdate(sql);
     buttonEXIT [19
                    84
                         if (s == 1)
     buttonSAVE [1]
                    85
                    86
                         JOptionPane.showMessageDialog(null, "barang_keluar berhasil disimpan");
     ocomboBulan [22]
                    87
     input [24]
                    88
     abelBulan [16]
                    89
                    90
                         catch (Exception ex)
     abelid_barang [
     abelnama_barai 92
                          JOptionPane.showMessageDialog (null, ex.getMessage());
     main [101]
                    93
     textid_barang [ 94
                    95
     textnama_barar
                    97
                         });
                    98
                   99
```

Update

```
import java.awt.*;
 import javax.swing.*;
     Bulan [24]
                         import java.awt.event.*;
     import java.io.*;
                         import java.sql.*;
     Perintah [55]
     String [24]
                         class edit extends JFrame
     buttonEXIT [21]
                    9
                   10
                             // Deklarasi Label
     buttonSEARCH
     buttonUPDATE 11
                             JLabel labelid_barang=new JLabel("id_barang");
     ocomboBulan [2: 13
                             JTextField textid_barang=new JTextField(30);
     14
                             JLabel labelnama_barang=new JLabel("nama_barang");
     abelBulan [17]
                             JTextField textnama_barang=new JTextField(30);
                    16
     abelid_barang [ 17
                             JLabel labelBulan=new JLabel("Bulan");
     abelnama_barar 18
                    19
     20
                             JButton buttonUPDATE=new JButton("UPDATE");
     textid_barang [
                   21
                             JButton buttonEXIT=new JButton("EXIT");
     textnama_barar
                   22
                             JButton buttonSEARCH=new JButton("SEARCH");
                    23
                              // Combo box
                             String[] Bulan ={"januari","februari","maret","april","mei","juni","juli","agustus","september","oktober","november","desember");
                    24
                   25
                             JComboBox comboBulan=new JComboBox(Bulan);
```

```
27
                               edit()
 28
     Bulan [24]
                                   setTitle("barang kelaur");
                    29
      setLocation(30,40);
                     30
                                   setSize(450,720);
      32
                                   setDefaultCloseOperation(JFrame.HIDE_ON_CLOSE);
     o String [24]
                     33
      buttonEXIT [21
                    34
                              void GUI()
                    35
     buttonSEARCH
                     36
      buttonUPDATE
                    37
                                   // Label
      comboBulan [25]
                    38
                                   getContentPane().setLayout(null);
                                  getContentPane().add(labelid barang); labelid barang.setBounds(20,20,130,20);
      39
                                   getContentPane().add(textid barang);textid barang.setBounds(130,20,130,20);
                     40
     abelBulan [17]
     abelid_barang [
                    42
                                   getContentPane().add(labelnama_barang);labelnama_barang.setBounds(20,40,130,20);
     abelnama barai 43
                                   getContentPane().add(textnama_barang);textnama_barang.setBounds(130,40,130,20);
                     44
      45
      atextid_barang [
                                   getContentPane().add(labelBulan);labelBulan.setBounds(20,80,130,20);
      textnama_barar
                     47
                                   getContentPane().add(comboBulan);comboBulan.setBounds(130,80,130,20);
                     48
                                  getContentPane().add(buttonUPDATE);buttonUPDATE.setBounds(20,110,100,20);
                     49
                                   getContentPane().add(buttonEXIT);buttonEXIT.setBounds(120,110,130,20);
                     50
                                   getContentPane().add(buttonSEARCH);buttonSEARCH.setBounds(270,20,130,20);
51
                     52
                                   setVisible(true);

    ⊕ edit [8]

                     53
     Bulan [24]
                     54
     55
                           void Perintah()
                     56
      Perintah [55]
     String [24]
                     58
                                      buttonEXIT.addActionListener(new ActionListener() {
      buttonEXIT [21
                    59
                                      public void actionPerformed(ActionEvent e) {
     buttonSEARCH
                     60
                               if (JOptionPane.showConfirmDialog(
     huttonUPDATE
                     62
                               null, "apakah anda benar benar akan keluar?", "Konfirmasi",
      ocomboBulan [25]
                    63
                               JOptionPane.OK_CANCEL_OPTION, JOptionPane.QUESTION_MESSAGE)
      🔗 edit [27]
                     64
                               ==JOptionPane.OK OPTION)
      abelBulan [17]
                    65
                               System.exit(0);
     abelid_barang [ 67
     abelnama barai
                     68
                     69
                            3):
      // BUTTON search
      atextid_barang [
                                      buttonSEARCH.addActionListener(new ActionListener() {
      textnama barar
                     72
                                      public void actionPerformed(ActionEvent e) {
                     73
                     74
                                          String search;
                     75
                                          String id barang, nama barag, Bulan, jumlah tunggakan;
                     76

■ 

    Classes

                                          Koneksi open = new Koneksi();
                     77
                                          Connection mysql = open.getConnection();
 78
                                          try
      Bulan [24]
                     79
     GUI [35]
                     80
                                              search=textid barang.getText();
                     81
                                              Statement stmt=mvsgl.createStatement();
      Perintah [55]
                                              String sql= "SELECT * FROM barang keluar WHERE id barang like '"+search+"'";
                     82
      String [24]
                                              ResultSet s=stmt.executeQuery(sql);
                     83
      buttonEXIT [21
                    84
                                              if(s.next())
                     85
      buttonSEARCH
                     86
                                                  textid_barang.setText(s.getString(1));
      buttonUPDATE
                     87
                                                  textnama_barang.setText(s.getString(2));
     o comboBulan [25]
                    88
                                                  comboBulan.setSelectedItem(s.getString(3));
                     89
      90
     abelBulan [17]
                     91
     abelid_barang [ 92
                                              else
     abelnama_barai 93
                     94
                                                  JOptionPane.showMessageDialog(null, "barang keluar tidak ada ");
      95
      textid_barang [
                     96
      textnama_barar
                    97
                                          catch (Exception ex)
                     98
                    99
                                          {\tt JOptionPane.showMessageDialog(null,\ ex.getMessage());}
                    100
```

```
Koneksi open = new Koneksi();
                    77
                                         Connection mysql = open.getConnection();
 78
                                         try
     Bulan [24]
                    79
     GUI [35]
                    80
                                             search=textid_barang.getText();
                    81
                                             Statement stmt=mysql.createStatement();
     String sql= "SELECT * FROM barang_keluar WHERE id_barang like '"+search+"'";
                    82
     o String [24]
                                             ResultSet s=stmt.executeQuery(sql);
                    83
     buttonEXIT [21]
                    84
                                            if(s.next())
                    85
     buttonSEARCH
                    86
                                                 textid_barang.setText(s.getString(1));
     buttonUPDATE
                    87
                                                 textnama_barang.setText(s.getString(2));
     ocomboBulan [2: 88
                                                 comboBulan.setSelectedItem(s.getString(3));
     edit [27]
                    89
                    90
     abelBulan [17]
                    91
     abelid_barang [ 92
                                             else
     🖟 labelnama_baraı 🛚 93 🛱
                    94
                                                 JOptionPane.showMessageDialog(null, "barang_keluar tidak ada ");
     95
      textid_barang [
                    96
      textnama_barar
                    97
                                         catch (Exception ex)
                    98
                    99
                                         JOptionPane.showMessageDialog(null, ex.getMessage());
                   100
                   101
102
 🗏 👂 edit [8]
                   103
     o Bulan [24]
                   104
     106
                                     buttonUPDATE.addActionListener
     Perintah [55]
                   107
                                     (new ActionListener()
     String [24]
                   108
     buttonEXIT [21 109
                                     public void actionPerformed(ActionEvent e) {
     buttonSEARCH 110
                   111
                               String id barang, nama barang, bulan;
     buttonUPDATE
                               id barang = textid barang.getText();
                   112
     ocomboBulan [2: 113
                               nama_barang= textnama_barang.getText();
     edit [27]
                   114
                                 bulan=(String)comboBulan.getSelectedItem();
     abelBulan [17]
                                 // input ke database
                   116
      abelid_barang [ 117
                         Koneksi open = new Koneksi();
     abelnama_barar 118
                          Connection mysql = open.getConnection();
                 119
                         try
     textid_barang [ 120 121
      textnama_barar 122
                          Statement stmt = mysql.createStatement();
                   123
                          String sql = "UPDATE barang_keluar SET nama_barang='"+nama_barang
                          +"',Bulan='"+Bulan
                   126
                          +"'WHERE id barang='"+id barang+"'";
□ 👂 Classes
                   127
 🗆 👂 edit [8]
                   128
                          int s = stmt.executeUpdate(sql);
     Bulan [24]
                         if (s == 1)
                   129
     GUI [35]
                   130
                   131
                          JOptionPane.showMessageDialog(null, "barang_keluar berhasil diUPDATE");
     Perintah [55]
                   132
     String [24]
                   133
     buttonEXIT [21 134
     buttonSEARCH 135
                          catch (Exception ex)
                   136
     buttonUPDATE
                   137
                          JOptionPane.showMessageDialog (null, ex.getMessage());
     ocomboBulan [2: 138
     139
     abelBulan [17]
                   141
     abelid_barang [ 142
                          });
     abelnama_barar 143
     144
                   145
     textid_barang [ 146
                              public static void main(String []args)
     textnama_barar 147
                   148
                                  edit inputan=new edit();
                   149
                                 inputan.GUI();
                   150
                                 inputan.Perintah();
      textnama_barar 152
                  153
```

Delete barang keluar □ 👂 Classes import java.awt.*; import javax.swing.*; import java.awt.event.*; Bulan [22] import java.io.*; import java.sql.*; Perintah [54] class delete extends JFrame For String [22] buttonDelete [: // Deklarasi Label buttonEXIT [19 10 JLabel labelid barang=new JLabel("id barang"); 11 buttonSEARCH JTextField textid_barang=new JTextField(30); ocomboBulan [23] 13 JLabel labelnama_barang=new JLabel("nama_barang"); JTextField textnama_barang=new JTextField(30); 14 15 abelBulan [16] 16 JLabel labelBulan=new JLabel("Bulan"); abelid_barang [abelnama_barai 18 JButton buttonDelete=new JButton("Delete"); 19 JButton buttonEXIT=new JButton("EXIT"); 20 JButton buttonSEARCH=new JButton("SEARCH"); textid_barang [textnama_barar 22 String[] Bulan ={"januari","februari","maret","april","mei","juni","juli","agustus","september","oktober","november","desember"); JComboBox comboBulan=new JComboBox(Bulan); 23 25 26 Ġ setTitle("barang_keluar"); 28 setLocation(30,40); Bulan [22] 29 setSize(450,720); setDefaultCloseOperation(JFrame.HIDE_ON_CLOSE); 31 Perintah [54] 32 **5** String [22] 33 void GUI() a huttonDelete [34 buttonEXIT [19 35 36 getContentPane().setLayout(null); buttonSEARCH getContentPane().add(labelid_barang); labelid_barang.setBounds(20,20,130,20); comboBulan [23] 38 getContentPane().add(textid_barang);textid_barang.setBounds(130,20,130,20); 39 40 getContentPane().add(labelnama_barang);labelnama_barang.setBounds(20,40,130,20); abelBulan [16] 41 getContentPane().add(textnama_barang);textnama_barang.setBounds(130,40,130,20); abelid_barang [abelnama_barai 43 44 45 getContentPane().add(labelBulan);labelBulan.setBounds(20,80,130,20); textid_barang [getContentPane().add(comboBulan);comboBulan.setBounds(130,80,130,20); textnama_barar 47 getContentPane().add(buttonDelete);buttonDelete.setBounds(20,110,100,20); 48 getContentPane().add(buttonEXIT);buttonEXIT.setBounds(120,110,130,20); 50 getContentPane().add(buttonSEARCH);buttonSEARCH.setBounds(270,20,130,20); 51 setVisible(true); 52 🗆 👂 delete [7] 53 Bulan [22] 54 void Perintah() 55 56 Perintah [54] 57 buttonEXIT.addActionListener(new ActionListener() { o String [22] 58 public void actionPerformed(ActionEvent e) { buttonDelete [: 59 if (JOptionPane.showConfirmDialog(buttonEXIT [19 60 null, "apakah anda benar benar akan keluar?", "Konfirmasi", buttonSEARCH 62 JOptionPane.OK_CANCEL_OPTION, JOptionPane.QUESTION_MESSAGE) ocomboBulan [2: 63 ==JOptionPane.OK_OPTION) 64 System.exit(0): 65 abelBulan [16] 66 abelid_barang [67 abelnama_barai 68 // BUTTON search 69 70 buttonSEARCH.addActionListener(new ActionListener() { textid_barang [71 public void actionPerformed(ActionEvent e) { textnama_barar 72 73 String id_barang, nama_barang, Bulan,jumlah_tunggakan; 75 Koneksi open = new Koneksi();

```
Connection mysgl = open.getConnection();
                                            try

■ 

B delete [7]

      🖟 Bulan [22]
                      79
                                                search=textid_barang.getText();
                                                Statement stmt=mysql.createStatement();
String sql= "SELECT * FROM barang keluar WHERE id barang like '"+search+"'";
      GUI [33]
                      80
      Perintah [54]
                      81
                                                ResultSet s=stmt.executeQuery(sql);
      String [22]
                      83
                                                if(s.next())
      buttonDelete [:
                     84
                                                    textid barang.setText(s.getString(1));
      buttonEXIT [19
                     85
                                                    textnama_barang.setText(s.getString(2));
                      86
      buttonSEARCH
                                                    comboBulan.setSelectedItem(s.getString(3));
      omboBulan [23]
                     88
      89
      abelBulan [16]
                     91
                                                else
      abelid_barang [
                     92
      labelnama_barai 93
                                                    JOptionPane.showMessageDialog(null, "barang keluar tidak ada ");
      95
      textid_barang [
                     96
                                            catch (Exception ex)
      textnama_barar
                                            JOptionPane.showMessageDialog(null, ex.getMessage());
                      99
                     100
□ & Classes
                     101
  🗆 👂 delete [7]
                     103
      Bulan [22]
                             // button Delete
                     104
                          DbuttonDelete.addActionListener(new ActionListener()){

public void actionDerformed(ActionListener)
      106
                                        public void actionPerformed(ActionEvent e) {
      Perintah [54]
                     107
                                  String id_barang, nama_barang, bulan;
      5 String [22]
                                  id_barang = textid_barang.getText();
      buttonDelete [: 109
                                  nama_barang= textnama_barang.getText();
      buttonEXIT [19 110
                                 bulan= (String)comboBulan.getSelectedItem();
      buttonSEARCH
      o comboBulan [2: 113
                                   // DELETE ke database
      114
      abelBulan [16]
                            Koneksi open = new Koneksi();
      abelid_barang [ 116 117
                            Connection mysql = open.getConnection();
                            try
      abelnama_barar 118
      120
                            Statement stmt = mysql.createStatement();
      textid_barang [
                            String sql = "DELETE FROM barang keluar WHERE id barang='"+id barang+"'";
      textnama_barar 122
                            int s = stmt.executeUpdate(sql);
                            if (s == 1)
                     123
                     124
                            JOptionPane.showMessageDialog(null, "barang_keluar berhasil dihapus");
126
                     127
  🗏 👂 delete [7]
                     128
      🖟 Bulan [22]
                     129
      GUI [33]
                     131
                            catch (Exception ex)
      Perintah [54]
                     132
      String [22]
                     133
                                JOptionPane.showMessageDialog (null, ex.getMessage());
      buttonDelete [: 134
      buttonEXIT [19 135
      buttonSEARCH 136
      ocomboBulan [2: 138
      delete [25]
      abelBulan [16]
                           public static void main(String []args)
                     141
      abelid_barang [ 142
                                    delete inputan=new delete();
      abelnama_barai 143
                                    inputan.GUI();
                   144
                                    inputan.Perintah();
      textid_barang [ 145 146
      textnama_barar 147
```

View barang keluar

```
☐ 

    Classes

                          import java.awt.*;
                          import java.sql.*;
 import javax.swing.*;
     GUI [54]
                          import javax.swing.table.*;
     🔊 Object [13]
     ScrollTable [12] 6
                          class view extends JPanel
     String [9]
     dataTable [13] 9
                          String[] header = {"id barang", "nama barang", "bulan"};
     header [9]
                           JTable table = new JTable();
     JScrollPane ScrollTable = new JScrollPane();
     a table [11]
                           private Object[][] dataTable = null;
     16
                    17
                           Koneksi open = new Koneksi();
                    18
                          Connection mysql = open.getConnection();
                    19
                          try
                    20
                    21
                          Statement stmt = mysql.createStatement();
                          String sql = "SELECT * FROM barang keluar ";
                          ResultSet rs = stmt.executeQuery(sql);
                          ResultSetMetaData meta = rs.getMetaData();
                          int kolom = meta.getColumnCount();

□ 

    Classes

                          int baris = 0;
                    27
                          while (rs.next())
 🗏 👂 view [7]
                    28
     baris = rs.getRow();
     object [13]
     ScrollTable [12] 31
                           dataTable = new Object[baris][kolom];
     String [9]
                           int x=0:
     adataTable [13] 34
                           rs.beforeFirst();
     header [9]
                           while(rs.next())
     dataTable[x][0] = rs.getString("id_barang");
dataTable[x][1] = rs.getString("nama_barang");
dataTable[x][2] = rs.getString("bulan");
     🖟 table [11]
     41
                    42
                             ScrollTable.setViewportView(table);
                    43
                             table.setModel(new DefaultTableModel(dataTable, header));
                             add(ScrollTable,BorderLayout.NORTH);
                    46
                             rs.close();
                    47
48
                             catch (Exception ex)
                    49
                              JOptionPane.showMessageDialog (null, "barang_keluar error");
                    51
52
 53
     GUI [54]
                         void GUI()
                    54
     object [13]
                    55 🗗 {
     ScrollTable [12] 56
                              JFrame frame = new JFrame("barang_keluar");
                              frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
     String [9]
                               view content = new view ();
     ataTable [13] 59
                              content.setOpaque(true);
     header [9]
                    60
                             frame.setContentPane(content);
                    61
                              frame.pack();
     62
                              frame.setLocationRelativeTo(null);
     atable [11]
                              frame.setVisible(true);
     64
                         public static void main(String []args)
                    65
                    66
                    67
                                  view inputan=new view();
                    68
                                  inputan.GUI();
                    69
                    70
                    71
                    72
                    73
```

1 import java.sql.*; 2 class Koneksi 3 ₽{ 4 String url, usr, pwd, dbn; 🧓 dbn [4] 5 public Koneksi() 6 dbn="gudang"; 8 url="jdbc:mysql://localhost/"+dbn; 🦆 pwd [4] usr="root"; pwd=""; 10 o url [4] 11 ø usr [4] 12 public Connection getConnection() 13 14 Connection con=null; 15 try 16 17 Class.forName("com.mysql.jdbc.Driver"); 18 con=DriverManager.getConnection(url,usr,pwd); 19 System.out.println("OK: Driver Ditemukan"); 20 21 catch (ClassNotFoundException e) 22 23 System.out.println("Error: Driver tidak ditemukan\n" +e+"\n"); 24 System.exit(0);

System.out.println("Error:tidak bisa koneksi kedatabase\n" +e+"\n");

Koneksi

19

25

25

26

27 28

29

30 31

32 33

34 35

36

37 38 39

₩ un [4]

o usr [4]

-1------

catch (SQLException e)

System.exit(0);

public static void main(String[] args)

Koneksi dnd= new Koneksi();

dnd.getConnection();

return con;

BAB IV

MENU

```
import javax.swing.*;
                         import java.awt.event.*;
 🛱 class gudangmenu extends JFrame{
      JMenuBar menubar=new JMenuBar();
      about [19]
                                  JMenu file=new JMenu("File"):
                                      JMenuItem exit=new JMenuItem("exit");
     about_Me [2
                                      JMenu data=new JMenu("Data barang");
     barang [13]
                                      JMenuItem input_barang=new JMenuItem("input_barang");
                     8
     🧓 data [7]
                                      JMenuItem update_barang=new JMenuItem("update_barang");
     delete [16]
                    10
                                      JMenuItem deletebarang=new JMenuItem("deletebarang");
                    11
                                     JMenuItem viewbarang=new JMenuItem("viewbarang");
     deletebaran
                    12
     🧓 exit [6]
                                      JMenu barang=new JMenu("barang_keluar");
                    13
     o file [5]
                                      JMenuItem input=new JMenuItem("input");
                    14
                                      JMenuItem update=new JMenuItem("update");
                    15
     ø gudangmeni
                                      JMenuItem delete=new JMenuItem("delete");
                    16
     o input [14]
                    17
                                      JMenuItem view=new JMenuItem("view");
     input_baran
                    18
                    19
                                      JMenu about=new JMenu("About");
      20
                                      JMenuItem about Me=new JMenuItem("About Me");
     menubar [4]
                    21
      22
                              gudangmenu(){
                    23
                                  setTitle("project pemrograman javaku");
      o update [15]
                    24
                                  setLocation(500,200);
      update_bara
                    25
                                  setSize(400,300);

□ 

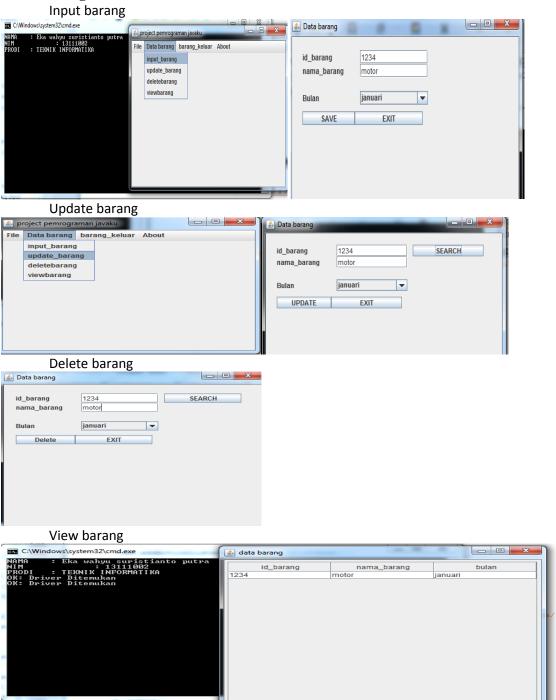
    Classes

                    26
                                  setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                    27
 🗏 👂 gudangmenu [:
                    28
                              void GUI(){
     🔗 GUI [28]
                    29
                                  setJMenuBar(menubar);
     about [19]
                    30
                                        menubar.add(file);
                    31
                                         file.add(exit);
     about_Me [2
                    32
                                         menubar.add(data);
     barang [13]
                    33
     o data [7]
                    34
                                         data.add(input_barang);
     o delete [16]
                    35
                                         data.add(update_barang);
                    36
                                         data.add(deletebarang);
     deletebarani
                    37
                                         data.add(viewbarang);
     o exit [6]
                    38
                    39
                                         menubar.add(barang);
     o file [5]
                                         barang.add(input);
                    40
     ø gudangmeni
                    41
                                         barang.add(update);
     o input [14]
                                         barang.add(delete);
                    42
     input_baran
                    43
                                         barang.add(view);
                    44
      45
                                         menubar.add(about);
     menubar [4]
                    46
                                         about.add(about Me);
      47
                    48
                                  setVisible(true);
      update [15]
                    49
      update_bara
                    50
                              void orders(){
51
                                  exit.addActionListener(new ActionListener() {
                    52
                                     public void actionPerformed(ActionEvent e) {
 53
                                         System.exit(0);
     GUI [28]
                    54
     about [19]
                    55
                    56
                                  input_barang.addActionListener(new ActionListener() {
     about_Me [2
                    57
                                     public void actionPerformed(ActionEvent e) {
     barang [13]
                    58
                                         barang_input InputData = new barang_input();
     🧓 data [7]
                    59
                                         InputData.GUI();
                    60
     o delete [16]
                    61
     deletebaran
                    62
                                  11:
     o exit [6]
                                  update_barang.addActionListener(new ActionListener(){
                    63
     o file [5]
                    64
                                     public void actionPerformed(ActionEvent e) {
                    65
                                         edit_barang InputData = new edit_barang();
     gudangmeni
                    66
                                         InputData.GUI();
     o input [14]
                    67
     input_baran
                    68
                    69
                                  deletebarang.addActionListener(new ActionListener() {
      public void actionPerformed(ActionEvent e) {
                    70
     menubar [4]
                    71
                                         delete_barang InputData = new delete_barang();
      72
                                         InputData.GUI():
                    73
      o update [15]
                    74
                                  });
      update_bara
```

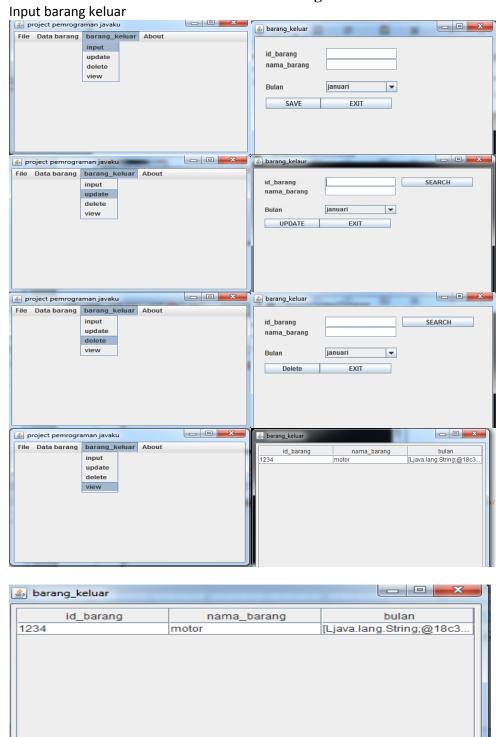
```
76
□ 👂 Classes
                                 viewbarang.addActionListener(new ActionListener(){
                                    public void actionPerformed(ActionEvent e) {
                    77
 🗏 👂 gudangmenu [:
                    78
                                         view barang InputData = new view barang();
     79
                                         InputData.GUI();
     about [19]
                    80
                    81
     about_Me [2
                    82
                                 input.addActionListener(new ActionListener(){
     a barang [13]
                    83
                                     public void actionPerformed(ActionEvent e) {
     🖟 data [7]
                    84
                                         input InputData = new input();
     o delete [16]
                    85
                                         InputData.GUI();
                    86
     deletebaran
                   87
     o exit [6]
                    88
                                 });
                                 update.addActionListener(new ActionListener(){
     🔊 file [5]
                    89
                                    public void actionPerformed(ActionEvent e) {
                    90
     gudangmeni
                                        edit InputData = new edit();
                    91
     o input [14]
                    92
                                         InputData.GUI();
     input_baran
                    93
                    94
                                 });
     🔗 main [115]
                    95
                                 delete.addActionListener(new ActionListener() {
     menubar [4]
                    96
                                    public void actionPerformed(ActionEvent e) {
     97
                                         delete InputData = new delete();
                    98
                                         InputData.GUI();
     update [15]
                    99
     update_bara
                   100
                                 });
                   101
102 🛱
                                 view.addActionListener(new ActionListener(){
 🗏 👂 gudangmenu [:
                   103
                                    public void actionPerformed(ActionEvent e) {
     104
                                         view InputData = new view();
     about [19]
                   105
                                         InputData.GUI();
                   106
     about Me [2
                   107
                                 });
     o barang [13]
                   108
                                 about Me.addActionListener(new ActionListener(){
     o data [7]
                   109
                                     public void actionPerformed(ActionEvent e) {
                   110
                                         JOptionPane.showMessageDialog(null,"13111002_Eka_wahyu_suristianto_putra//wahyueka2013@gmail.com","About",JOptionPane.INFORM
     o delete [16]
                   111
     o deletebarani
                   112
                                 });
     o exit [6]
                   113
     o file [5]
                   114
                   115
                             public static void main(String[] args){
     gudangmeni
                   116
                                 System.out.println("NAMA : Eka wahyu suristianto putra");
     o input [14]
                                 System.out.println("NIM : 13111002");
                   117
     input_baran
                                 System.out.println("PRODI : TEKNIK INFORMATIKA");
                  118
                   119
                                 gudangmenu x=new gudangmenu();
     main [115]
                   120
                                 x.GUI();
     menubar [4]
                   121
                                 x.orders();
     orders [50]
                  122
     o update [15]
                  123
                                                                                                                                   arang.jav
  C:\Windows\system32\cmd.exe
                                                                                                                                        _ D X
                                                                          🖺 project pemrograman javaku
  NAMA
NIM
PRODI
                : Eka wahyu suristianto putra
: 13111002
: TEKNIK INFORMATIKA
                                                                          File Data barang barang_keluar About
```

INTEGRASI MENU

Data barang



Barang keluar



BAB V

Penutup

Kesimpulan

fasilitas JDBC untuk melakukan koneksi ke sumber data menggunakan ODBC (Open DataBase Connectivity) driver. Melakukan koneksi ke database melibatkan dua langkah: Meload driver dan membuat koneksi itu sendiri. Cara meload driver sangat mudah, pertama letakkan file jar database driver ke dalam classpath. sementara membuat koneksi ke database menggunakan database driver yang sudah diload. Parameter yang digunakan untuk menentukan driver yang sesuai adalah URL. Jika salah satu dari driver yang diload berhasil digunakan untuk melakukan koneksi dengan URL tersebut, maka koneksi ke database berhasil dilaksanakan.

Kesulitan

Kesulitan saya adalah mengkoneksikannya ke database dan juga setiap data yang sudah di input tidak mau di hapus karena ada error ke koneksi database yang belum bisa saya perbaiki. Dan juga integrasi di menu pilihan terkadang saat menginput data ke database tidak mau mau masuk ke data base dan saya masih bingung cara memperbaikinya.