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Praktikum : Rekayasa Perangkat Lunak 2

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## Listing

```
1  /*
2  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3  * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
4  */
5  package act5;
6
7  /**
8   *
9   * @author abdan
10  */
11  public class latihan extends javax.swing.JFrame {
12
13      /**
14       * Creates new form latihan
15       */
16      public latihan() {
17          initComponents();
18      }
19
20      /**
21       * This method is called from within the constructor to initialize the form.
22       * WARNING: Do NOT modify this code. The content of this method is always
23       * regenerated by the Form Editor.
24       */
25      @SuppressWarnings("unchecked")
26      // <editor-fold defaultstate="collapsed" desc="Generated Code">
27      private void initComponents() {
28
29          jLabel1 = new javax.swing.JLabel();
30          jTextField1 = new javax.swing.JTextField();
31          jTextField2 = new javax.swing.JTextField();
32          jComboBox1 = new javax.swing.JComboBox<>();
33          jTextField3 = new javax.swing.JTextField();
34          jLabel2 = new javax.swing.JLabel();
35          jLabel3 = new javax.swing.JLabel();
36          jLabel4 = new javax.swing.JLabel();
37          jLabel5 = new javax.swing.JLabel();
38
39          Simpan = new javax.swing.JButton();
40          Edit = new javax.swing.JButton();
41          Hapus = new javax.swing.JButton();
42
43          setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
44
45          jLabel1.setText("Input Latihan");
46
47          jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Menurunkan Berat Badan", "Menaikan Berat Badan" }));
48          jComboBox1.addActionListener(new java.awt.event.ActionListener() {
49              public void actionPerformed(java.awt.event.ActionEvent evt) {
50                  jComboBox1ActionPerformed(evt);
51              }
52          });
53          jTextField3.addActionListener(new java.awt.event.ActionListener() {
54              public void actionPerformed(java.awt.event.ActionEvent evt) {
55                  jTextField3ActionPerformed(evt);
56              }
57          });
58
59          jLabel2.setText("Jenis Latihan");
60
61          jLabel3.setText("Nama");
62
63          jLabel4.setText("Gerakan");
64
65          jLabel5.setText("Waktu Latihan");
66
67          Simpan.setText("Simpan");
68
69          Edit.setText("Edit");
70
71          Hapus.setText("Hapus");
72
73          javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
```

```

73 javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
74 getContentPane().setLayout(layout);
75 layout.setHorizontalGroup(
76     layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
77     .addGroup(layout.createSequentialGroup()
78         .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
79             .addGroup(layout.createSequentialGroup()
80                 .addGap(141, 141, 141)
81                 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
82                     .addGroup(layout.createSequentialGroup()
83                         .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 37, javax.swing.GroupLayout.PREFERRED_SIZE)
84                         .addGap(131, 131, 131)
85                         .addComponent(jTextField1))
86                     .addGroup(layout.createSequentialGroup()
87                         .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
88                             .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 75, javax.swing.GroupLayout.PREFERRED_SIZE)
89                             .addComponent(jLabel4)
90                             .addComponent(jLabel5))
89                         .addGap(92, 92, 92)
91                         .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
92                             .addComponent(ComboBox1, 0, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
93                             .addComponent(jTextField2)
94                             .addComponent(jTextField3)
95                             .addGroup(layout.createSequentialGroup()
96                                 .addComponent(simpan)
97                                 .addPreferred(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
98                                 .addComponent(edit)
99                                 .addGap(12, 12, 12)
100                                 .addComponent(hapus)
101                                 .addGap(0, 0, Short.MAX_VALUE))))))
102                             .addGroup(layout.createSequentialGroup()
103                                 .addComponent(jLabel1)))
104                             .addGap(422, 422, 422)
105                             .addComponent(jLabel1)))
106                             .addContainerGap(650, Short.MAX_VALUE))
107 );

```

```

108 layout.setVerticalGroup(
109     layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
110     .addGroup(layout.createSequentialGroup()
111         .addGap(44, 44, 44)
112         .addComponent(jLabel1)
113         .addGap(51, 51, 51)
114         .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
115             .addGroup(layout.createSequentialGroup()
116                 .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE)
117                 .addGap(26, 26, 26)
118                 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
119                     .addComponent(ComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE)
120                     .addComponent(jLabel2))
121                 .addGap(28, 28, 28)
122                 .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
123                     .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE)
124                     .addComponent(jLabel4))
125                 .addComponent(jLabel3))
126             .addGap(35, 35, 35)
127             .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
128                 .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE)
129                 .addComponent(jLabel5))
130             .addGap(28, 28, 28)
131             .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
132                 .addComponent(simpan)
133                 .addComponent(edit)
134                 .addComponent(hapus))
135             .addContainerGap(273, Short.MAX_VALUE))
136     );
137
138 pack();
139 } // </editor-fold>

```

```

140 private void SimpanActionPerformed(java.awt.event.ActionEvent evt) {
141     String nama = jTextField1.getText();
142     String jenisLatihan = (String) jComboBox1.getSelectedItem();
143     String gerakan = jTextField2.getText();
144     String waktuLatihan = jTextField3.getText();
145
146     if (nama.isEmpty() || gerakan.isEmpty() || waktuLatihan.isEmpty()) {
147         JOptionPane.showMessageDialog(this, "Semua field harus diisi!", "Error", JOptionPane.ERROR_MESSAGE);
148     } else {
149         // Simpan data (bisa disimpan ke database atau struktur data)
150         JOptionPane.showMessageDialog(this, "Data berhasil disimpan!", "Informasi", JOptionPane.INFORMATION_MESSAGE);
151     }
152 }
153
154 private void EditActionPerformed(java.awt.event.ActionEvent evt) {
155     String nama = jTextField1.getText();
156     String jenisLatihan = (String) jComboBox1.getSelectedItem();
157     String gerakan = jTextField2.getText();
158     String waktuLatihan = jTextField3.getText();
159
160     if (nama.isEmpty() || gerakan.isEmpty() || waktuLatihan.isEmpty()) {
161         JOptionPane.showMessageDialog(this, "Semua field harus diisi!", "Error", JOptionPane.ERROR_MESSAGE);
162     } else {
163         // Edit data (misalnya memperbarui data yang sudah ada)
164         JOptionPane.showMessageDialog(this, "Data berhasil diperbarui!", "Informasi", JOptionPane.INFORMATION_MESSAGE);
165     }
166 }
167
168 private void HapusActionPerformed(java.awt.event.ActionEvent evt) {
169     // Clear all text fields and combo box
170     jTextField1.setText("");
171     jTextField2.setText("");
172     jTextField3.setText("");
173     jComboBox1.setSelectedIndex(0);
174

```

```

175     JOptionPane.showMessageDialog(this, "Data berhasil dihapus!", "Informasi", JOptionPane.INFORMATION_MESSAGE);
176 }
177
178 private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {
179     // TODO add your handling code here:
180 }
181
182 private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {
183     // TODO add your handling code here:
184     String nama = jTextField1.getText();
185     String jenisLatihan = (String) jComboBox1.getSelectedItem();
186     String gerakan = jTextField2.getText();
187     String waktuLatihan = jTextField3.getText();
188
189     if (nama.isEmpty() || gerakan.isEmpty() || waktuLatihan.isEmpty()) {
190         JOptionPane.showMessageDialog(this, "Semua field harus diisi!", "Error", JOptionPane.ERROR_MESSAGE);
191     } else {
192         // Edit data (misalnya memperbarui data yang sudah ada)
193         JOptionPane.showMessageDialog(this, "Data berhasil diperbarui!", "Informasi", JOptionPane.INFORMATION_MESSAGE);
194     }
195 }
196
197 // Action for the 'Hapus' button
198 private void HapusActionPerformed() {
199     // Clear all text fields and combo box
200     jTextField1.setText("");
201     jTextField2.setText("");
202     jTextField3.setText("");
203     jComboBox1.setSelectedIndex(0);
204
205     JOptionPane.showMessageDialog(this, "Data berhasil dihapus!", "Informasi", JOptionPane.INFORMATION_MESSAGE);
206 }
207
208 /**
209  * @param args the command line arguments
210  */

```

```
240      /* Create and display the form */
241      java.awt.EventQueue.invokeLater(new Runnable() {
242          public void run() {
243              new latihan().setVisible(true);
244          }
245      });
246  }
247
248  // Variables declaration - do not modify
249  private javax.swing.JButton Edit;
250  private javax.swing.JButton Hapus;
251  private javax.swing.JButton Simpan;
252  private javax.swing.JComboBox<String> jComboBox1;
253  private javax.swing.JLabel jLabel1;
254  private javax.swing.JLabel jLabel2;
255  private javax.swing.JLabel jLabel3;
256  private javax.swing.JLabel jLabel4;
257  private javax.swing.JLabel jLabel5;
258  private javax.swing.JTextField jTextField1;
259  private javax.swing.JTextField jTextField2;
260  private javax.swing.JTextField jTextField3;
261  // End of variables declaration
262 }
```

## Output

Output - ACT5 (run) #2

run:  
BUILD SUCCESSFUL (total time: 24 seconds)

Input Latihan

Nama

abdan syakur

Jenis Latihan

Menurunkan Berat Badan

Gerakan

push up

Waktu Latihan

tujuh hari tujuh malam

Simpan

Edit

Hapus