PRAKTIKUM LABORATORIUM TEKNIK INFORMATIKA

ACTIVITY PERTEMUAN KE - 3

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Kelas   : 4IA25

Mata Praktikum : Rekayasa Perangkat Lunak

```
Source   Design   History

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 datamahasiswa;
6
7    public class ViewMahasiswa extends javax.swing.JFrame {
8        ControllerMahasiswa mhs = new ControllerMahasiswa();
9        public ViewMahasiswa() {
10           initComponents();
11       }
12
13       /**
14        * This method is called from within the constructor to initialize the form.
15        * WARNING: Do NOT modify this code. The content of this method is always
16        * regenerated by the Form Editor.
17        */
18       @SuppressWarnings("unchecked")
19       Generated Code
137
138      private void simpanActionPerformed(java.awt.event.ActionEvent evt) {
139          String npm = TFNPM.getText();
140          String nama = TFNama.getText();
141          int tinggi = Integer.parseInt(TFTinggi.getText());
142          boolean pindahan = false;
143          if(CBpindah.getSelectedItem().toString().equals("Ya")){
144              pindahan = true;
145          }
146
147          mhs.InsertData(npm, nama, tinggi, pindahan);
148          tabellist.setModel(mhs.showData());
149      }
150
151      /**
152       * @param args the command line arguments
153       */
154      public static void main(String args[]) {
155          /* Set the Nimbus look and feel */
156          Look and feel setting code (optional)
177
178          /* Create and display the form */
179          java.awt.EventQueue.invokeLater(new Runnable() {
180              public void run() {
181                  new ViewMahasiswa().setVisible(true);
182              }
183          });
184      }
185
186      // Variables declaration - do not modify
187      private javax.swing.JComboBox<String> CBpindah;
188      private javax.swing.JTextField TFNPM;
189      private javax.swing.JTextField TFNama;
190      private javax.swing.JTextField TFTinggi;
191      private javax.swing.JLabel jLabel1;
192      private javax.swing.JLabel jLabel2;
193      private javax.swing.JLabel jLabel3;
194      private javax.swing.JLabel jLabel4;
195      private javax.swing.JLabel jLabel5;
196      private javax.swing.JScrollPane jScrollPane1;
197      private javax.swing.JButton simpan;
198      private javax.swing.JTable tabellist;
199      // End of variables declaration
200  }
201
```

```java
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */

package datamahasiswa;
import java.util.ArrayList;
import javax.swing.table.DefaultTableModel;

public class ControllerMahasiswa {
    ArrayList<ModelMahasiswa> ArrayData;
    DefaultTableModel tabellist;

    public ControllerMahasiswa(){
        ArrayData = new ArrayList<ModelMahasiswa>();
    }
    public void InsertData(String npm, String nama, int tinggi, boolean pindahan){
        ModelMahasiswa mhs = new ModelMahasiswa(npm, nama, tinggi, pindahan);
        ArrayData.add(mhs);
    }
}
```

Output

Data Mahasiswa

NPM	50421392

Nama	Dimas

Tinggi	169

Pindahan ?   Ya ▼

Simpan

NPM	Nama	Tinggi	Pindahan