Nama : Muhamad Wahyu Saputra

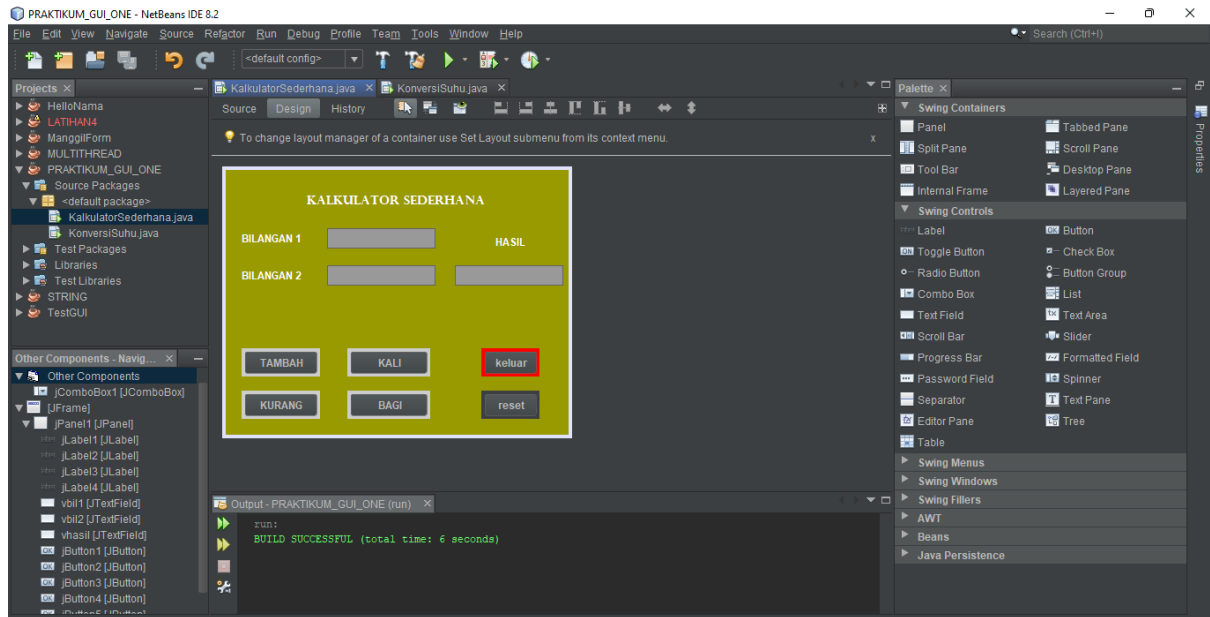Kelas : XII RPL B

Absen : 34

tUGAS 1

Kalkulator Sederhana

Desain Interface

SOURCE CODE
button(+)


```java
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int a,b,c=0;
    a=Integer.parseInt(vbil1.getText());
    b=Integer.parseInt(vbil2.getText());
    c=a+b;
    vhasil.setText(String.valueOf(c));
}
```

button(-)


```java
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int a,b,c=0;
    a=Integer.parseInt(vbil1.getText());
    b=Integer.parseInt(vbil2.getText());
    c=a-b;
    vhasil.setText(String.valueOf(c));
}
```

button(x)


```java
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int a,b,c=0;
    a=Integer.parseInt(vbil1.getText());
    b=Integer.parseInt(vbil2.getText());
    c=a*b;
    vhasil.setText(String.valueOf(c));
}
```

button(/)


```java
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int a,b,c=0;
    a=Integer.parseInt(vbil1.getText());
    b=Integer.parseInt(vbil2.getText());
    c=a/b;
    vhasil.setText(String.valueOf(c));
}
```

button(EXIT)

```
223
224    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
225        // TODO add your handling code here:
226        this.dispose();
227    }
228
```

button(RESET)

```
269    private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
270        // TODO add your handling code here:
271        vbill.setText("");
272        vbill2.setText("");
273        vhasil.setText("");
274        vbill.requestFocus();
275    }
276
```

TESTING
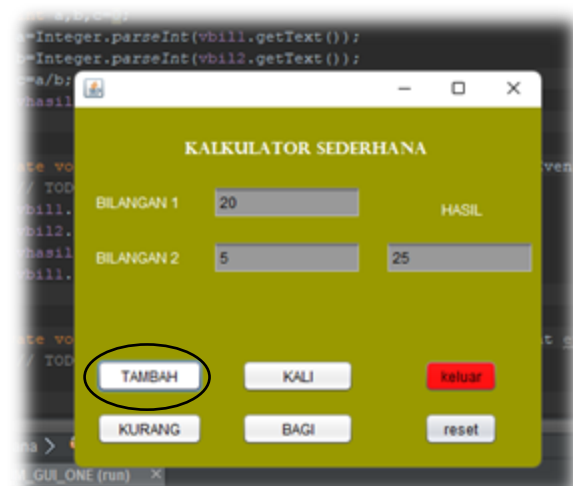
Tugas 2

Aplikasi Konversi Suhu Sederhana

Desain Interface
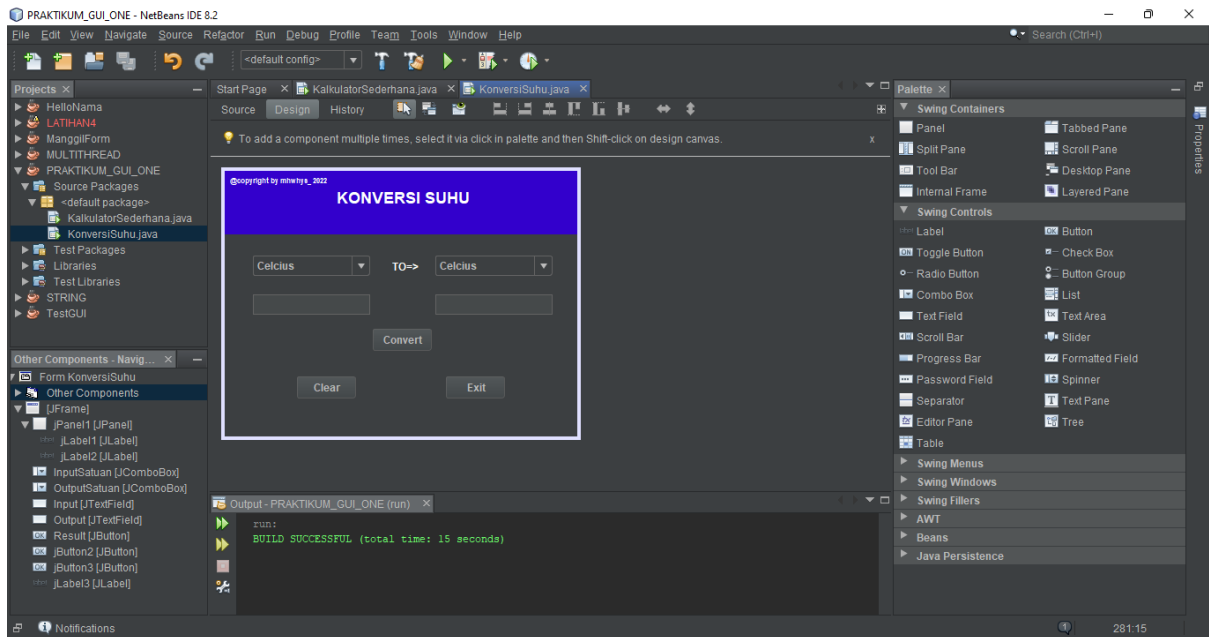
SOURCE CODE

```java
10      */
11     public class KonversiSuhu extends javax.swing.JFrame {
12
13         private double suhu1,suhu2;
14         private String satuan1,satuan2;
15         /**
16          * Creates new form KonversiSuhu
```

```java
179
180     private void ResultActionPerformed(java.awt.event.ActionEvent evt) {
181         //code untuk membaca input dan melakukan parsing sesuai dengan tipe data yang diperlukan
182         suhu1=Double.parseDouble(Input.getText());
183         satuan1=String.valueOf(InputSatuan.getSelectedItem());
184         satuan2=String.valueOf(OutputSatuan.getSelectedItem());
185
186         //kalkulasi konversi suhu dari dan ke C, R, F, K
187         if(satuan1=="Celcius"){
188             if(satuan2=="Celcius"){
189                 suhu2=suhu1;
190             }
191             else if(satuan2=="Reamur"){
192                 suhu2=suhu1*4/5;
193             }
194             else if(satuan2=="Fahrenheit"){
195                 suhu2=suhu1*9/5+32;
196             }
197             else if(satuan2=="Kelvin"){
198                 suhu2=suhu1+273.15;
199             }
200         }
201         if(satuan1=="Reamur"){
202             if(satuan2=="Celcius"){
203                 suhu2=suhu1*5/4;
204             }
205             else if(satuan2=="Reamur"){
206                 suhu2=suhu1;
207             }
208             else if(satuan2=="Fahrenheit"){
209                 suhu2=suhu1*9/4+32;
210             }
211             else if(satuan2=="Kelvin"){
212                 suhu2=suhu1*5/4+273.15;
213             }
214         }
215         if(satuan1=="Fahrenheit"){
216             if(satuan2=="Celcius"){
217                 suhu2=(suhu1-32)*5/9;
218             }
219             else if(satuan2=="Reamur"){
220                 suhu2=(suhu1-32)*4/9;
221             }
222             else if(satuan2=="Fahrenheit"){
223                 suhu2=suhu1;
224             }
225             else if(satuan2=="Kelvin"){
226                 suhu2=(suhu1-32)*5/9+273.15;
227             }
228         }
```

```
        if(satuan1=="Kelvin"){
            if(satuan2=="Celcius"){
                suhu2=suhu1-273.15;
            }
            else if(satuan2=="Reamur"){
                suhu2=(suhu1-273.15)*4/5;
            }
            else if(satuan2=="Fahrenheit"){
                suhu2=(suhu1-273.15)*9/5+32;
            }
            else if(satuan2=="Kelvin"){
                suhu2=suhu1;
            }
        }

        //melakukan set hasil konversi suhu
        Output.setText(String.valueOf(suhu2));
    }
```
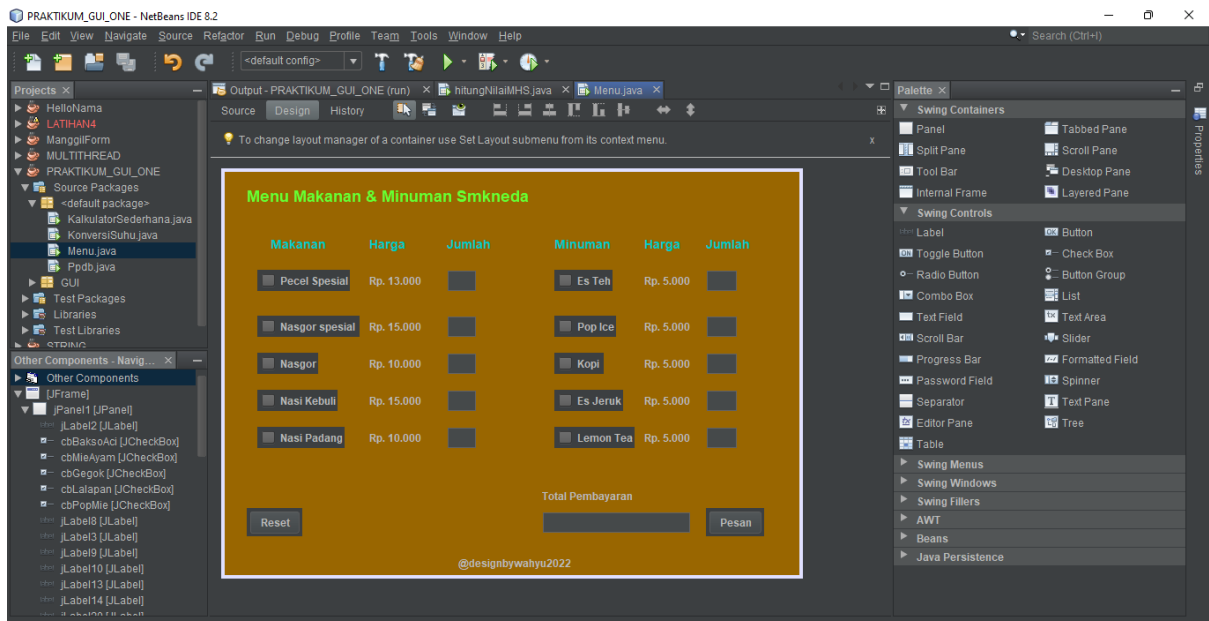
TESTING

Tugas 3

Aplikasi pemesanan sederhana

Desain interface
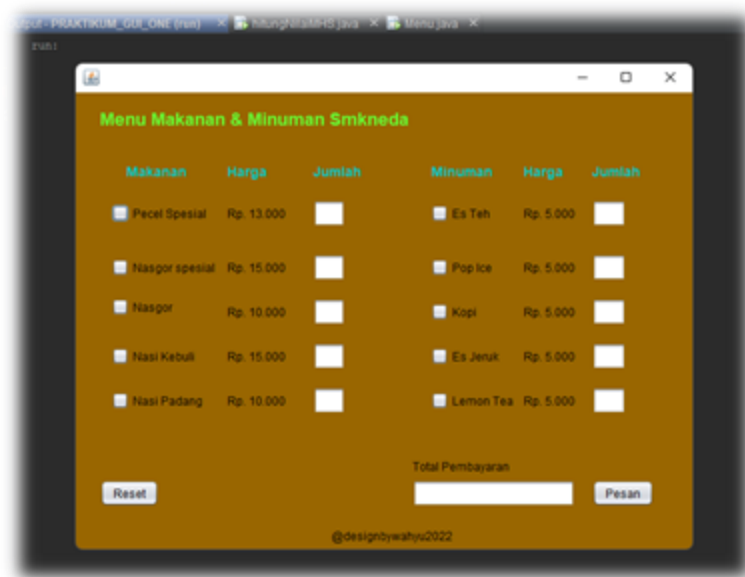

Source code


```java
369    private void btnPesanActionPerformed(java.awt.event.ActionEvent evt) {
370        String tampil;
371        tampil = "";
372        int bayar = 0;
373        if(cbBaksoAci.isSelected()){
374            int jumlah=Integer.parseInt(txtJumlah1.getText());
375            int total;
376            total=jumlah*13000;
377            bayar=bayar+total;
378            tampil +=cbBaksoAci.getText()+" Rp.13.000"+" x "+jumlah+" = "+total+"\n";
379        }
380        if(cbMieAyam.isSelected()){
381            int jumlah=Integer.parseInt(txtJumlah2.getText());
382            int total;
383            total=jumlah*15000;
384            bayar=bayar+total;
385            tampil +=cbMieAyam.getText()+" Rp.15.000"+" x "+jumlah+" = "+total+"\n";
386        }
387        if(cbGegok.isSelected()){
388            int jumlah=Integer.parseInt(txtJumlah3.getText());
389            int total;
390            total=jumlah*10000;
391            bayar=bayar+total;
392            tampil +=cbGegok.getText()+" Rp.10.000"+" x "+jumlah+" = "+total+"\n";
393        }
394        if(cbLalapan.isSelected()){
395            int jumlah=Integer.parseInt(txtJumlah4.getText());
396            int total;
397            total=jumlah*15000;
```



```java
398            bayar=bayar+total;
399            tampil +=cbLalapan.getText()+" Rp.15.000"+" x "+jumlah+" = "+total+"\n";
400        }
401        if(cbPopMie.isSelected()){
402            int jumlah=Integer.parseInt(txtJumlah5.getText());
403            int total;
404            total=jumlah*10000;
405            bayar=bayar+total;
406            tampil +=cbPopMie.getText()+" Rp.10.000"+" x "+jumlah+" = "+total+"\n";
407        }
408        if(cbTeh.isSelected()){
409            int jumlah=Integer.parseInt(txtJumlah6.getText());
410            int total;
411            total=jumlah*5000;
412            bayar=bayar+total;
413            tampil +=cbTeh.getText()+" Rp.5.000"+" x "+jumlah+" = "+total+"\n";
414        }
415        if(cbJeruk.isSelected()){
416            int jumlah=Integer.parseInt(txtJumlah7.getText());
417            int total;
418            total=jumlah*5000;
419            bayar=bayar+total;
420            tampil +=cbJeruk.getText()+" Rp.5.000"+" x "+jumlah+" = "+total+"\n";
421        }
422        if(cbPopIce.isSelected()){
423            int jumlah=Integer.parseInt(txtJumlah8.getText());
424            int total;
425            total=jumlah*5000;
426            bayar=bayar+total;
427            tampil +=cbPopIce.getText()+" Rp.5.000"+" x "+jumlah+" = "+total+"\n";
```

```
429        if(cbKopi.isSelected()){
430            int jumlah=Integer.parseInt(txtJumlah9.getText());
431            int total;
432            total=jumlah*5000;
433            bayar=bayar+total;
434            tampil +=cbKopi.getText()+" Rp.5.000"+" x "+jumlah+" = "+total+"\n";
435        }
436        if(cbLemonTea.isSelected()){
437            int jumlah=Integer.parseInt(txtJumlah10.getText());
438            int total;
439            total=jumlah*5000;
440            bayar=bayar+total;
441            tampil +=cbLemonTea.getText()+" Rp.5.000"+" x "+jumlah+" = "+total+"\n";
442        }
443        txtPesan.setText(""+bayar);
444    }
```
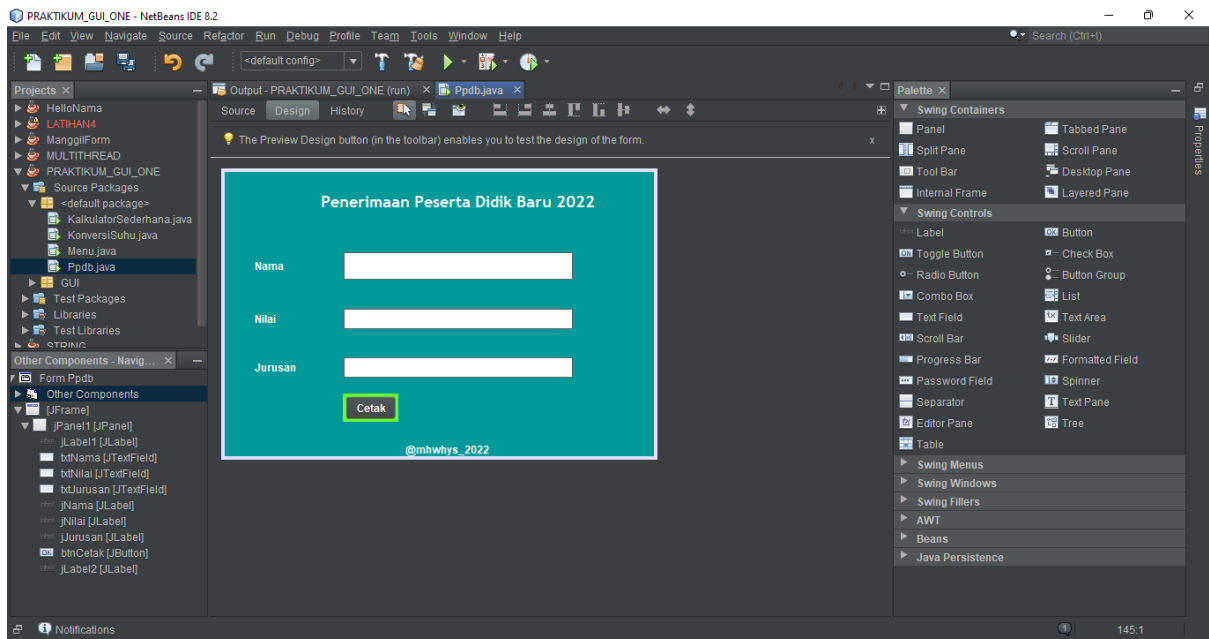
Testing

Tugas 4

Pendaftaran sederhana

Desain Interface

Source code

```java
145  □        private void btnCetakActionPerformed(java.awt.event.ActionEvent evt) {
146              double nilai;
147              String hasil;
148              nilai = Double.parseDouble(txtNilai.getText());
149              if (nilai >=150){
150                  hasil="KGSP";
151                  txtJurusan.setText(hasil);
152              }
153              if (nilai >=220){
154                  hasil="DPIB";
155                  txtJurusan.setText(hasil);
156              }
157              if (nilai >=170){
158                  hasil="TPTU";
159                  txtJurusan.setText(hasil);
160              }
161              if (nilai >=200){
162                  hasil="AKL";
163                  txtJurusan.setText(hasil);
164              }
165              if (nilai >=120){
166                  hasil="TB";
167                  txtJurusan.setText(hasil);
168              }
169              if (nilai >=240){
170                  hasil="RPL";
171                  txtJurusan.setText(hasil);
172              }
173              else{
174                  hasil="TIDAK LULUS";
175                  txtJurusan.setText(hasil);
176              }
177          }
178
```

Testing