

PRAKTIKUM_GUI2

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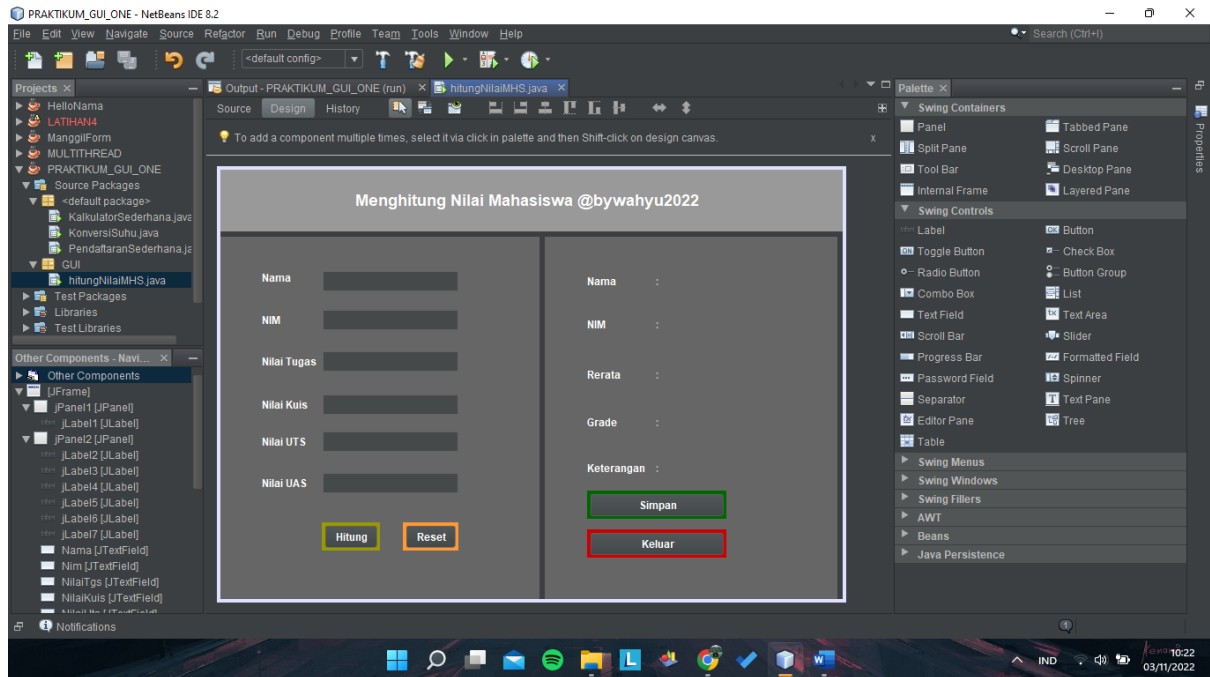
Kelas : XII RPL B

Absen : 34

tUGAS 1

Kalkulator Sederhana

Desain Interface



SOURCE CODE button(HITUNG)

```
369 private void hitungActionPerformed(java.awt.event.ActionEvent evt) {  
370     //untuk rerata  
371     String nama = Nama.getText();  
372     String nim = NIM.getText();  
373     if (NilaiTugas.getText().isEmpty() || NilaiKuis.getText().isEmpty() ||  
374         NilaiUts.getText().isEmpty() || NilaiUas.getText().isEmpty()) {  
375         JOptionPane.showMessageDialog(null, "Maaf cuy , Form masih kosong");  
376     } else {  
377         Double rerata = (Double.parseDouble(NilaiTugas.getText()) +  
378             Double.parseDouble(NilaiKuis.getText()) + Double.parseDouble(NilaiUts.getText())  
379             + Double.parseDouble(NilaiUas.getText())) / 4;  
380         outRerata.setText(rerata.toString().substring(0,5));  
381         outNama.setText(nama);  
382         outNim.setText(nim);  
383     }  
384  
385     //untuk grade  
386     Double a = Double.parseDouble(outRerata.getText());  
387     char grade = ' ';  
388     if (a >= 80.00) {  
389         grade = 'A';  
390         outGrade.setText("A");  
391     } else if (a >= 80.00 && a <= 89.00) {  
392         grade = 'B';  
393         outGrade.setText("B");  
394     } else if (a >= 70.00 && a <= 79.00) {  
395         grade = 'C';  
396         outGrade.setText("C");  
397     } else if (a >= 60.00 && a <= 69.00) {  
398         grade = 'D';  
399         outGrade.setText("D");  
400     } else if (a <= 39.00) {  
401         grade = 'E';  
402         outGrade.setText("E");  
403     }  
404     //keterangan  
405     if (grade == 'A' || grade == 'B' || grade == 'C') {  
406         outKeterangan.setText("Anda dinyatakan Lulus!");  
407     } else {  
408         outKeterangan.setText("Anda dinyatakan tidak lulus!");  
409     }  
410 }  
411
```

button(RESET)

```
356 private void resetActionPerformed(java.awt.event.ActionEvent evt) {  
357     Nama.setText("");  
358     NIM.setText("");  
359     NilaiTugas.setText("");  
360     NilaiKuis.setText("");  
361     NilaiUTS.setText("");  
362     NilaiUAS.setText("");  
363     outNama.setText("");  
364     outNim.setText("");  
365     outRerata.setText("");  
366     outGrade.setText("");  
367     outKeterangan.setText("");  
368 }  
369
```

button(SIMPAN)

```
417 private void simpanActionPerformed(java.awt.event.ActionEvent evt) {  
418     try {  
419         BufferedWriter simpan = new BufferedWriter(new FileWriter("nilai.txt"));  
420         String hasil = "Nama : \t"+nama.getText()+"\n"+  
421             "Nim : \t"+nim.getText()+"\n"+  
422             "Rata-Rata : \t"+outRerata.getText()+"\n"+  
423             "Grade : \t"+outGrade.getText()+"\n"+  
424             "Keterangan : \t"+outKeterangan.getText();  
425         simpan.write(hasil);  
426         JOptionPane.showMessageDialog(null, "Data berhasil disimpan");  
427         simpan.close();  
428     }  
429     catch (Exception e) {  
430         JOptionPane.showMessageDialog(null, e);  
431     }  
432 }  
433
```

button(EXIT)

```
412 private void exitActionPerformed(java.awt.event.ActionEvent evt) {  
413     System.exit(0);  
414 }  
415  
416
```

TESTING

