

LAPORAN PROJECT APLIKASI KASIR



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202013006**

**PROGRAM STUDI TEKNIK INFORMATIKA
POLITEKNIK KAMPAR
2021**

BAB I

PEMBAHASAN

1. Rancangan Umum Aplikasi

A. Tahap Rancangan

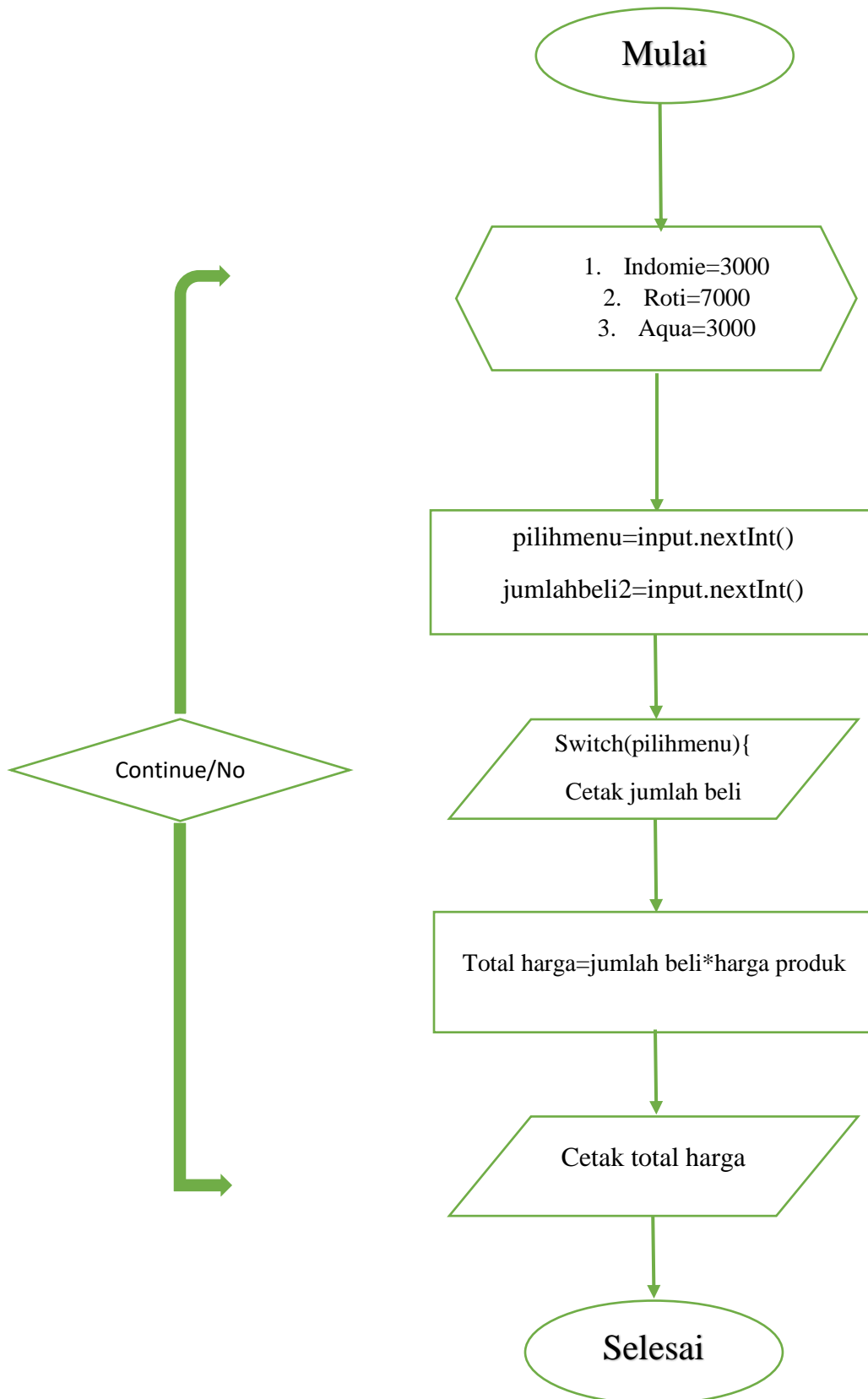
Perancangan algoritma dengan merancang prosedur dan struktur aplikasi sebagai konsep untuk web yang akan dibuat. Saribunda Mart masih menggunakan system kasir manual dari masalah tersebut saya akan membuat suatu aplikasi yang dapat memudahkan pegawai untuk menginput data dengan cepat dan akurat. Selain itu dibuat kebutuhan fungsional yang diperlukan kasir untuk melakukan pengelolaan data dengan baik.

Sistem pada dasarnya banyak memberikan manfaat dalam mengambil keputusan, serta memahami lingkungan yang saling berhubungan satu sama lain dan Bersama-sama berfungsi untuk mencapai tujuan tertentu. Sistem adalah kumpulan elemen-elemen yang meliputi manusia, teknologi, lingkungan.

B. Tampilan aplikasi

Dapat melihat list pembelian atau nama barang, pilih menu, jumlah harga, jumlah beli, jumlah bayar, dan jumlah kembalian. Saya juga memasukkan list batal, keluar, hitung jumlah barang, dan bayar.

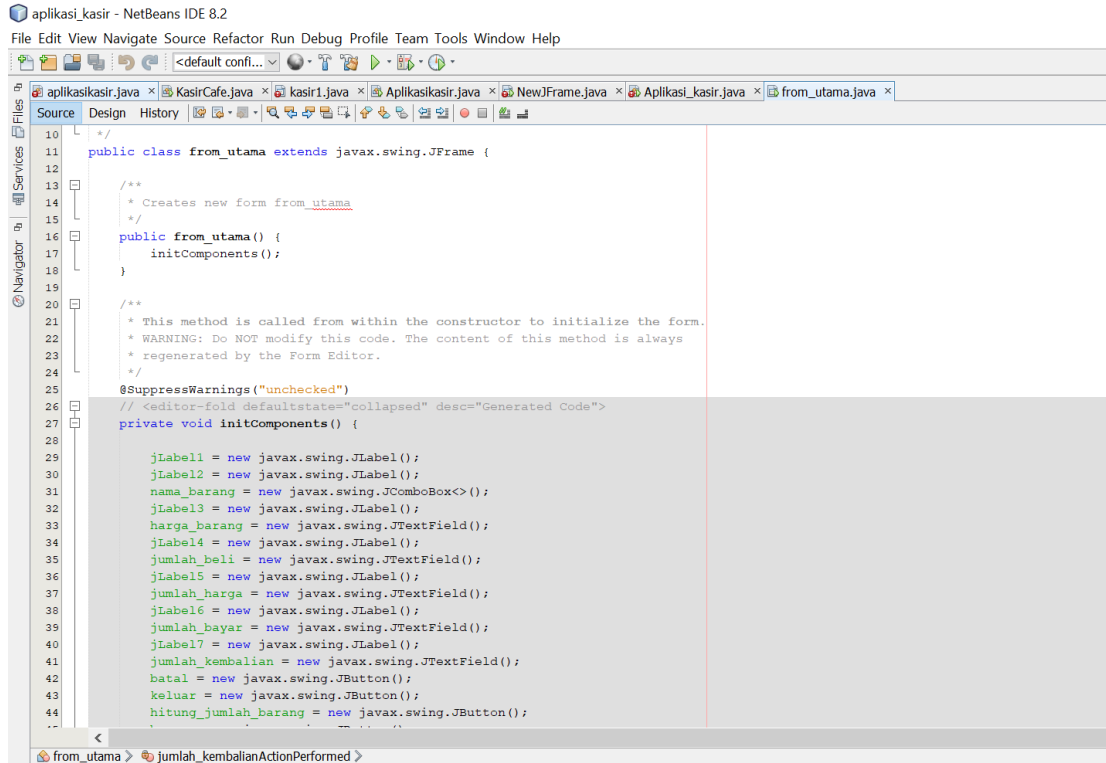
2. Rancangan Alur Aplikasi Kasir



BAB II

HASIL PRAKTEK

1. Tampilan Source Code



```
10  */
11  public class from_utama extends javax.swing.JFrame {
12
13      /**
14       * Creates new form from_utama
15       */
16      public from_utama() {
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          jLabel2 = new javax.swing.JLabel();
31          nama_barang = new javax.swing.JComboBox<>();
32          jLabel3 = new javax.swing.JLabel();
33          harga_barang = new javax.swing.JTextField();
34          jLabel4 = new javax.swing.JLabel();
35          jumlah_beli = new javax.swing.JTextField();
36          jLabel5 = new javax.swing.JLabel();
37          jumlah_harga = new javax.swing.JTextField();
38          jLabel6 = new javax.swing.JLabel();
39          jumlah_bayar = new javax.swing.JTextField();
40          jLabel7 = new javax.swing.JLabel();
41          jumlah_kembalian = new javax.swing.JTextField();
42          batal = new javax.swing.JButton();
43          keluar = new javax.swing.JButton();
44          hitung_jumlah_barang = new javax.swing.JButton();
45      }
```

aplikasi_kasir - NetBeans IDE 8.2

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Search (Ctrl+I)

aplikasikasir.java x KasirCafe.java x kasir1.java x AplikasiKasir.java x NewJFrame.java x Aplikasi_kasir.java x from_utama.java

```
40 JLabel1 = new javax.swing.JLabel();
41 jumlah_kembalian = new javax.swing.JTextField();
42 batal = new javax.swing.JButton();
43 keluar = new javax.swing.JButton();
44 hitung_jumlah_barang = new javax.swing.JButton();
45 bayar = new javax.swing.JButton();
46 JLabel5 = new javax.swing.JLabel();
47
48 setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
49 getContentPane().setLayout(null);
50
51 JLabel1.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
52 JLabel1.setForeground(new java.awt.Color(0, 255, 255));
53 JLabel1.setText("APLIKASI KASIR SARIKUNDA MART");
54 getContentPane().add(JLabel1);
55 JLabel1.setBounds(230, 20, 490, 40);
56
57 JLabel2.setBackground(new java.awt.Color(255, 255, 255));
58 JLabel2.setFont(new java.awt.Font("Tekton Pro Ext", 0, 16)); // NOI18N
59 JLabel2.setForeground(new java.awt.Color(255, 255, 255));
60 JLabel2.setText("NAMA BARANG");
61 getContentPane().add(JLabel2);
62 JLabel2.setBounds(15, 83, 139, 20);
63
64 nama_barang.setModel(new javax.swing.DefaultComboBoxModel<String> { "Pilih Barang", "Roti", "Indomie", "Aqua", "Telur", "Coklat", "Gula", "Teh", "Susu Indomilk",
65
66 nama_barang.addActionListener(new java.awt.event.ActionListener() {
67     public void actionPerformed(java.awt.event.ActionEvent evt) {
68         nama_barangActionPerformed(evt);
69     }
70 });
71 getContentPane().add(nama_barang);
72 nama_barang.setBounds(290, 80, 220, 26);
73
74 JLabel3.setFont(new java.awt.Font("Tekton Pro Ext", 0, 16)); // NOI18N
75 JLabel3.setForeground(new java.awt.Color(255, 255, 255));
```

from_utama > initComponents >

aplikasi_kasir - NetBeans IDE 8.2

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```
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aplikasikasir.java x KasirCafe.java x kasir1.java x Aplikasikasir.java x NewJFrame.java x Aplikasi_kasir.java x from_utama.java x  
Source Design History  
70 getContentPane().add(nama_barang);  
71 nama_barang.setBounds(298, 80, 220, 26);  
72  
73 jLabel3.setFont(new java.awt.Font("Tekton Pro Ext", 0, 16)); // NOI18N  
74 jLabel3.setForeground(new java.awt.Color(255, 255, 255));  
75 jLabel3.setText("HARGA BARANG");  
76 getContentPane().add(jLabel3);  
77 jLabel3.setBounds(15, 144, 150, 20);  
78  
79 harga_barang.addActionListener(new java.awt.event.ActionListener() {  
80     public void actionPerformed(java.awt.event.ActionEvent evt) {  
81         harga_barangActionPerformed(evt);  
82     }  
83 });  
84 getContentPane().add(harga_barang);  
85 harga_barang.setBounds(298, 138, 220, 26);  
86  
87 jLabel4.setFont(new java.awt.Font("Tekton Pro Ext", 0, 16)); // NOI18N  
88 jLabel4.setForeground(new java.awt.Color(255, 255, 255));  
89 jLabel4.setText("JUMLAH BELI");  
90 getContentPane().add(jLabel4);  
91 jLabel4.setBounds(15, 207, 160, 20);  
92 getContentPane().add(jumlah_beli);  
93 jumlah_beli.setBounds(298, 201, 220, 26);  
94  
95 jLabel5.setFont(new java.awt.Font("Tekton Pro Ext", 0, 16)); // NOI18N  
96 jLabel5.setForeground(new java.awt.Color(255, 255, 255));  
97 jLabel5.setText("JUMLAH HARGA");  
98 getContentPane().add(jLabel5);  
99 jLabel5.setBounds(15, 278, 150, 20);  
100 getContentPane().add(jumlah_harga);  
101 jumlah_harga.setBounds(298, 275, 220, 26);  
102  
103 jLabel6.setFont(new java.awt.Font("Tekton Pro Ext", 0, 16)); // NOI18N  
104 jLabel6.setForeground(new java.awt.Color(255, 255, 255));  
105  
from_utama > initComponents >  
JPanel Output
```

aplikasikasir.java x KasirCafe.java x kasir1.java x Aplikasikasir.java x NewJFrame.java x Aplikasi_kasir.java x from_utama.java x

Source Design History

```

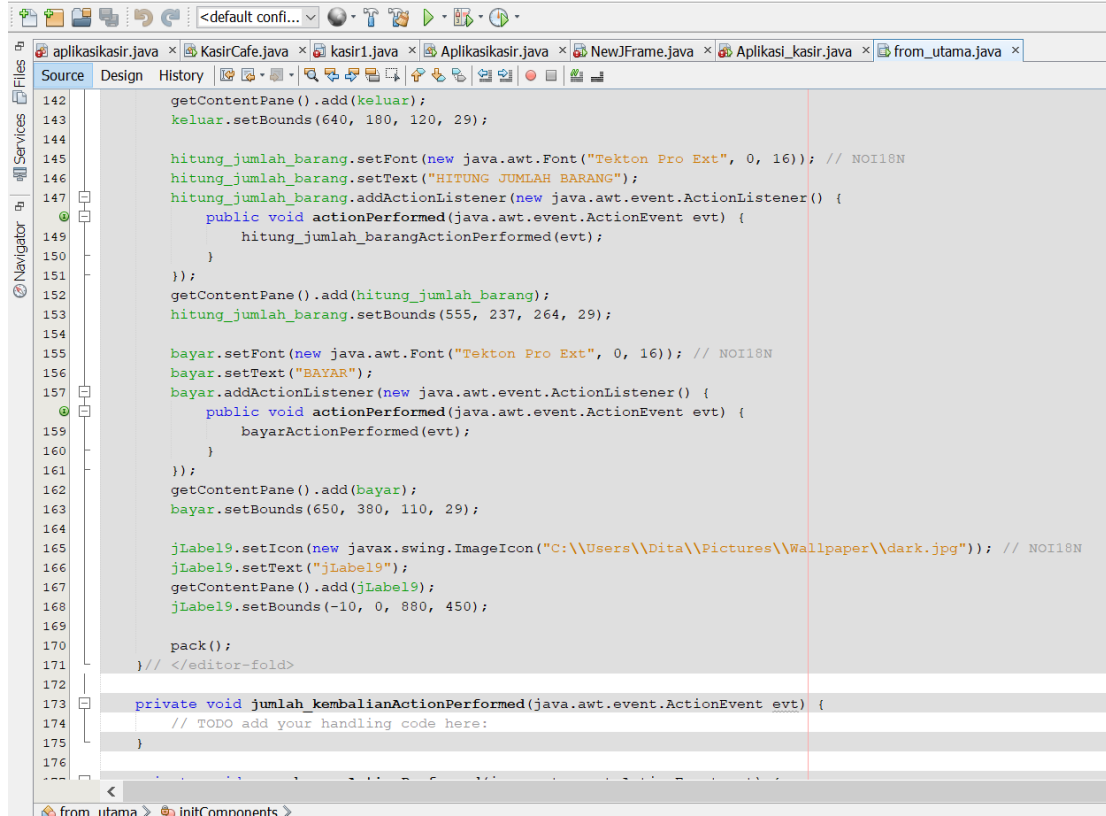
112     jLabel7.setForeground(new java.awt.Color(255, 255, 255));
113     jLabel7.setText("JUMLAH KEMBALIAN");
114     getContentPane().add(jLabel7);
115     jLabel7.setBounds(15, 395, 190, 20);
116
117     jumlah_kembalian.addActionListener(new java.awt.event.ActionListener() {
118         public void actionPerformed(java.awt.event.ActionEvent evt) {
119             jumlah_kembalianActionPerformed(evt);
120         }
121     });
122     getContentPane().add(jumlah_kembalian);
123     jumlah_kembalian.setBounds(298, 392, 220, 26);
124
125     batal.setFont(new java.awt.Font("Tekton Pro Ext", 0, 16)); // NOI18N
126     batal.setText("BATAL");
127     batal.addActionListener(new java.awt.event.ActionListener() {
128         public void actionPerformed(java.awt.event.ActionEvent evt) {
129             batalActionPerformed(evt);
130         }
131     });
132     getContentPane().add(batal);
133     batal.setBounds(643, 100, 120, 29);
134
135     keluar.setFont(new java.awt.Font("Tekton Pro Ext", 0, 16)); // NOI18N
136     keluar.setText("KELUAR");
137     keluar.addActionListener(new java.awt.event.ActionListener() {
138         public void actionPerformed(java.awt.event.ActionEvent evt) {
139             keluarActionPerformed(evt);
140         }
141     });
142     getContentPane().add(keluar);
143     keluar.setBounds(640, 180, 120, 29);
144
145     hitung_jumlah_barang.setFont(new java.awt.Font("Tekton Pro Ext", 0, 16)); // NOI18N
146     hitung_jumlah_barang.setText("HITUNG JUMLAH BARANG");

```

from_utama > initComponents >

aplikasi_kasir - NetBeans IDE 8.2

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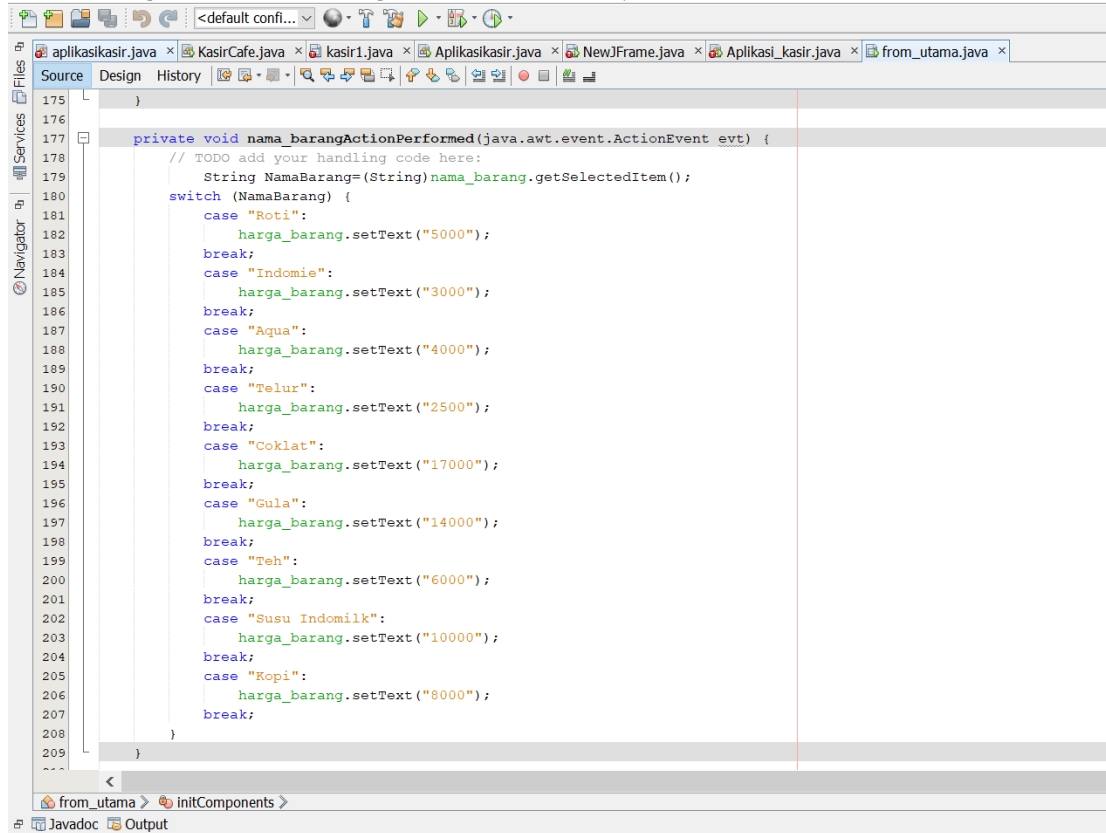
The image shows the NetBeans IDE 8.2 interface. The top menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, and Help. Below the menu bar is a toolbar with various icons. The main window displays a Java source file named 'from_utama.java'. The code is written in Java and includes comments like '// NOI18N'. The code is as follows:

```
142     getContentPane().add(keluar);
143     keluar.setBounds(640, 180, 120, 29);
144
145     hitung_jumlah_barang.setFont(new java.awt.Font("Tekton Pro Ext", 0, 16)); // NOI18N
146     hitung_jumlah_barang.setText("HITUNG JUMLAH BARANG");
147     hitung_jumlah_barang.addActionListener(new java.awt.event.ActionListener() {
148         public void actionPerformed(java.awt.event.ActionEvent evt) {
149             hitung_jumlah_barangActionPerformed(evt);
150         }
151     });
152     getContentPane().add(hitung_jumlah_barang);
153     hitung_jumlah_barang.setBounds(555, 237, 264, 29);
154
155     bayar.setFont(new java.awt.Font("Tekton Pro Ext", 0, 16)); // NOI18N
156     bayar.setText("BAYAR");
157     bayar.addActionListener(new java.awt.event.ActionListener() {
158         public void actionPerformed(java.awt.event.ActionEvent evt) {
159             bayarActionPerformed(evt);
160         }
161     });
162     getContentPane().add(bayar);
163     bayar.setBounds(650, 380, 110, 29);
164
165     jLabel19.setIcon(new javax.swing.ImageIcon("C:\\Users\\Dita\\Pictures\\Wallpaper\\dark.jpg")); // NOI18N
166     jLabel19.setText("jLabel19");
167     getContentPane().add(jLabel19);
168     jLabel19.setBounds(-10, 0, 880, 450);
169
170     pack();
171 } // </editor-fold>
172
173 private void jumlah_kembalianActionPerformed(java.awt.event.ActionEvent evt) {
174     // TODO add your handling code here:
175 }
176
177
```

The code is organized into a package named 'from_utama' and includes a class named 'initComponents'.

aplikasi_kasir - NetBeans IDE 8.2

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The image shows the NetBeans IDE 8.2 interface. The main editor window displays a Java source file named 'nama_barangActionPerformed'. The code is as follows:

```
175 }
176
177 private void nama_barangActionPerformed(java.awt.event.ActionEvent evt) {
178     // TODO add your handling code here:
179     String NamaBarang=(String)nama_barang.getSelectedItem();
180     switch (NamaBarang) {
181         case "Roti":
182             harga_barang.setText("5000");
183             break;
184         case "Indomie":
185             harga_barang.setText("3000");
186             break;
187         case "Aqua":
188             harga_barang.setText("4000");
189             break;
190         case "Telur":
191             harga_barang.setText("2500");
192             break;
193         case "Coklat":
194             harga_barang.setText("17000");
195             break;
196         case "Gula":
197             harga_barang.setText("14000");
198             break;
199         case "Teh":
200             harga_barang.setText("6000");
201             break;
202         case "Susu Indomilk":
203             harga_barang.setText("10000");
204             break;
205         case "Kopi":
206             harga_barang.setText("8000");
207             break;
208     }
209 }
```

The interface also shows a project explorer on the left with the following structure:

- Files
 - aplikasikasir.java
 - KasirCafe.java
 - kasir1.java
 - Aplikasikasir.java
 - NewJFrame.java
 - Aplikasi_kasir.java
 - from_utama.java
- Services
- Navigator
 - from_utama
 - initComponents
- Javadoc
- Output

aplikasi_kasir - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

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aplikasikasir.java x KasirCafe.java x kasir1.java x Aplikasikasir.java x NewJFrame.java x Aplikasi_kasir.java x from_utama.java x
Source Design History
208     }
209 }
210
211 private void harga_barangActionPerformed(java.awt.event.ActionEvent evt) {
212     // TODO add your handling code here:
213 }
214
215
216 private void hitung_jumlah_barangActionPerformed(java.awt.event.ActionEvent evt) {
217     // TODO add your handling code here:
218     int JumlahBarang=Integer.parseInt(jumlah_beli.getText());
219     int HargaBarang=Integer.parseInt(harga_barang.getText());
220     jumlah_harga.setText(Integer.toString(HargaBarang*JumlahBarang));
221 }
222
223 private void bayarActionPerformed(java.awt.event.ActionEvent evt) {
224     // TODO add your handling code here:
225     int JumlahBayar=Integer.parseInt(jumlah_bayar.getText());
226     int JumlahHarga=Integer.parseInt(jumlah_harga.getText());
227     if (JumlahBayar>=JumlahHarga) {
228         jumlah_kembalian.setText(Integer.toString(JumlahBayar-JumlahHarga));
229     }
230     else {
231         jumlah_kembalian.setText("Uang Anda Kembali");
232     }
233 }
234
235 private void batalActionPerformed(java.awt.event.ActionEvent evt) {
236     // TODO add your handling code here:
237     harga_barang.setText("");
238     jumlah_beli.setText("");
239     jumlah_harga.setText("");
240     jumlah_bayar.setText("");
241     jumlah_kembalian.setText("");
242     nama_barang.setSelectedIndex(0);
243 }
from_utama > initComponents >
```

aplikasi_kasir - NetBeans IDE 8.2

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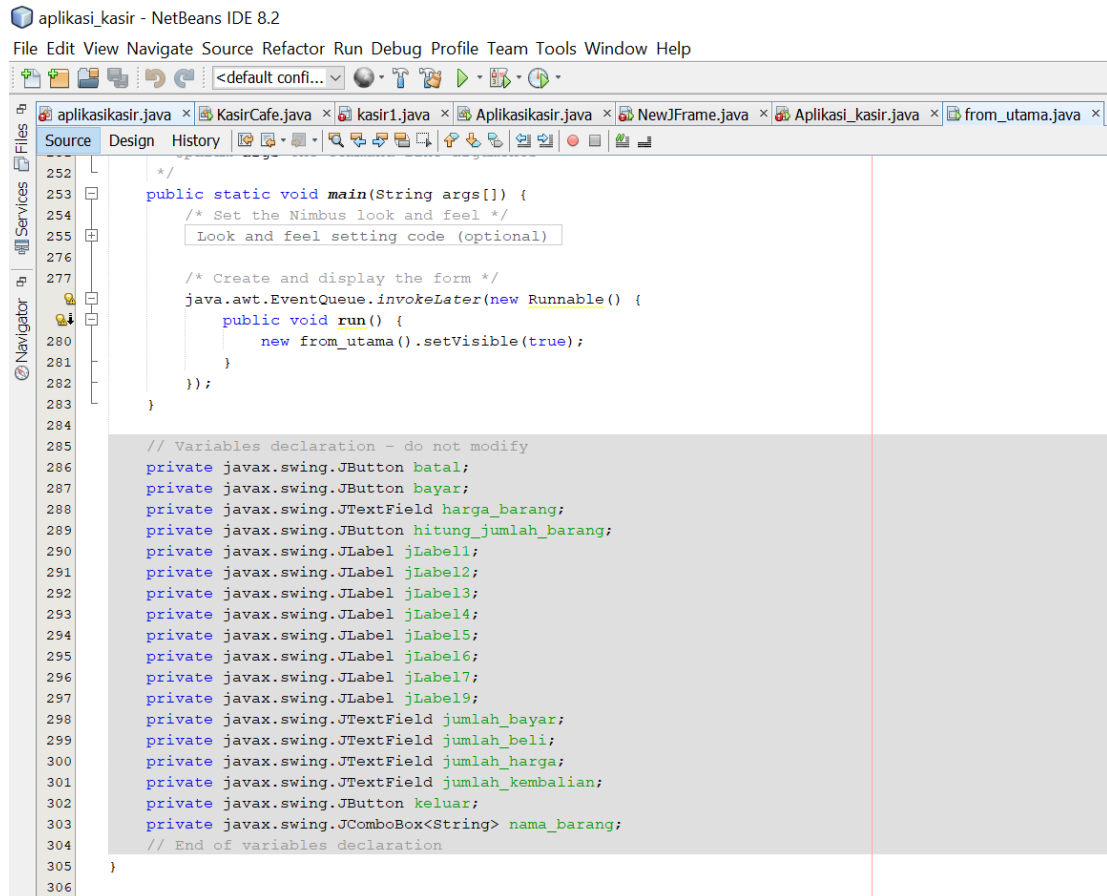
Source Design History

Files Services Navigator

```
241     jumlah_kembalian.setText("");
242     nama_barang.setSelectedIndex(0);
243 }
244
245 private void keluarActionPerformed(java.awt.event.ActionEvent evt) {
246     // TODO add your handling code here:
247     System.exit(0);
248 }
249
250 /**
251  * @param args the command line arguments
252  */
253 public static void main(String args[]) {
254     /* Set the Nimbus look and feel */
255     Look and feel setting code (optional)
256
257     /* Create and display the form */
258     java.awt.EventQueue.invokeLater(new Runnable() {
259         public void run() {
260             new from_utama().setVisible(true);
261         }
262     });
263 }
264
265 // Variables declaration - do not modify
266 private javax.swing.JButton batal;
267 private javax.swing.JButton bayar;
268 private javax.swing.JTextField harga_barang;
269 private javax.swing.JButton hitung_jumlah_barang;
270 private javax.swing.JLabel jLabel1;
271 private javax.swing.JLabel jLabel2;
272 private javax.swing.JLabel jLabel3;
273 private javax.swing.JLabel jLabel4;
274 private javax.swing.JLabel jLabel5;
275 private javax.swing.JLabel jLabel6;
```

from_utama > initComponents >

JavaDoc Output



The screenshot displays the NetBeans IDE 8.2 interface. The title bar reads 'aplikasi_kasir - NetBeans IDE 8.2'. The menu bar includes 'File', 'Edit', 'View', 'Navigate', 'Source', 'Refactor', 'Run', 'Debug', 'Profile', 'Team', 'Tools', 'Window', and 'Help'. The toolbar contains various icons for file operations and development tools. The 'Source' tab is active, showing the code for 'aplikasi_kasir.java'. The code is as follows:

```
252  */
253  public static void main(String args[]) {
254      /* Set the Nimbus look and feel */
255      Look and feel setting code (optional)
276
277      /* Create and display the form */
278      java.awt.EventQueue.invokeLater(new Runnable() {
279          public void run() {
280              new from_utama().setVisible(true);
281          }
282      });
283  }
284
285  // Variables declaration - do not modify
286  private javax.swing.JButton batal;
287  private javax.swing.JButton bayar;
288  private javax.swing.JTextField harga_barang;
289  private javax.swing.JButton hitung_jumlah_barang;
290  private javax.swing.JLabel jLabel1;
291  private javax.swing.JLabel jLabel2;
292  private javax.swing.JLabel jLabel3;
293  private javax.swing.JLabel jLabel4;
294  private javax.swing.JLabel jLabel5;
295  private javax.swing.JLabel jLabel6;
296  private javax.swing.JLabel jLabel7;
297  private javax.swing.JLabel jLabel9;
298  private javax.swing.JTextField jumlah_bayar;
299  private javax.swing.JTextField jumlah_beli;
300  private javax.swing.JTextField jumlah_harga;
301  private javax.swing.JTextField jumlah_kembalian;
302  private javax.swing.JButton keluar;
303  private javax.swing.JComboBox<String> nama_barang;
304  // End of variables declaration
305  }
306
```

Penjelasan: Gambar diatas merupakan source code program aplikasi_kasir yang dijalankan menggunakan netbeans IDE 8.2, dan pada JFrame nya saya menggunakan text field, combo box, dan label. Setelah di Run file kan maka akan tampil seperti gambar dibawah.

2. Tampilan Hasil Menu Utama Aplikasi Kasir



Penjelasan: Gambar diatas merupakan tampilan hasil dari program yang saya buat yaitu aplikasi kasir. Nah disini saya mendesaign tampilan menu saya yaitu “APLIKASI KASIR SARIBUNDA MART” dengan memasang background, merubah warna font tulisan, dan merubah bentuk huruf nya.