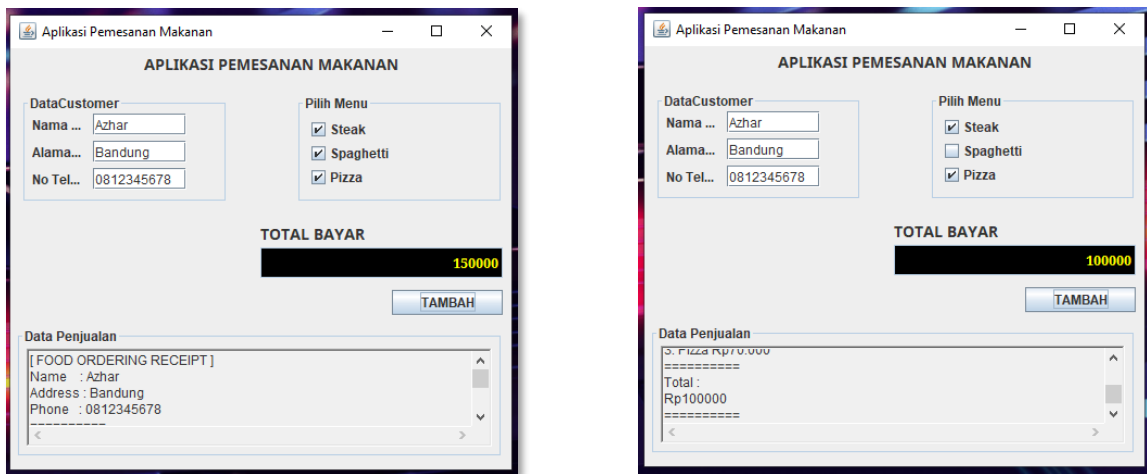


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GRAPHICAL USER INTERFACE


1. Screenshoot hasil Program :



2. Source Code – MainDriver.java

- Import Library Java Swing – Framework GUI pada Java

```
import java.awt.BorderLayout;
import java.awt.EventQueue;
import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JLabel;
import java.awt.Font;
import javax.swing.SwingConstants;
import java.awt.FlowLayout;
import javax.swing.border.TitledBorder;
import java.awt.Panel;
import java.awt.GridBagLayout;
import javax.swing.JTextField;
import javax.swing.JCheckBox;
```

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```
import java.awt.Color;
import javax.swing.JButton;
import javax.swing.JScrollBar;
import java.awt.TextArea;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import javax.swing.JTextArea;
```

- Class Utama dan extends ke JFrame


```
public class MainDriver extends JFrame
```

- Deklarasi Variabel beserta dengan hak aksesnya

```
private JPanel contentPane;
private JTextField textField_nama;
private JTextField textField_alamat;
private JTextField textField_notelp;
private JTextField textField_totalBayar;
private JLabel lbl_totalbayar;
private JCheckBox chckbx_pizza;
private JCheckBox chckbx_spaghetti;
private JCheckBox chckbx_steak;
private TextArea textArea_dataPenjualan;
private String disp_receipt = "";
```

- Operasi Menjumlahkan Total Bayar

```
private void getTotalBayar(){
    int totalBayar = 0;
    if(chckbx_steak.isSelected())
        totalBayar += 30000;
```

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```

if(chckbx_spaghetti.isSelected())
    totalBayar += 50000;
if(chckbx_pizza.isSelected())
    totalBayar += 70000;

textField_totalBayar.setText(String.valueOf(totalBayar));
}


```

- Operasi Menampilkan Receipt Ordered Food

```

private void setReceipt(){
    disp_receipt += ("[ FOOD ORDERING RECEIPT ]\n");
    disp_receipt += ("Name      : " + textField_nama.getText() + "\n");
    disp_receipt += ("Address  : " + textField_alamat.getText() + "\n");
    disp_receipt += ("Phone    : " + textField_notelp.getText() + "\n");
    disp_receipt += ("=====\n");
    disp_receipt += ("Ordered Food :\n");
    if(chckbx_steak.isSelected())
        disp_receipt += ("1. " + chckbx_steak.getText() + " Rp30.000\n") ;
    if(chckbx_spaghetti.isSelected())
        disp_receipt += ("2. " + chckbx_spaghetti.getText() + " Rp50.000\n");
    if(chckbx_pizza.isSelected())
        disp_receipt += ("3. " + chckbx_pizza.getText() + " Rp70.000\n");
    disp_receipt += ("=====\n");
    disp_receipt += ("Total  :\n");
    disp_receipt += ("Rp" + textField_totalBayar.getText() + "\n");
    disp_receipt += ("=====\n");
    textArea_dataPenjualan.setText(disp_receipt);
}

```

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- Modul MainDriver (Prosedur)

```

public MainDriver() {
    setTitle("Aplikasi Pemesanan Makanan\r\n");
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    setBounds(100, 100, 477, 426);
    contentPane = new JPanel();
    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
    setContentPane(contentPane);
    contentPane.setLayout(null);

    JLabel lbl_judul = new JLabel("APLIKASI PEMESANAN MAKANAN");
    lbl_judul.setBounds(5, 5, 471, 20);
    lbl_judul.setHorizontalAlignment(SwingConstants.CENTER);
    lbl_judul.setFont(new Font("Noto Sans", Font.BOLD, 14));
    contentPane.add(lbl_judul);

    JPanel panel_datacustomer = new JPanel();
    panel_datacustomer.setBounds(10, 42, 190, 100);
    panel_datacustomer.setBorder(new TitledBorder(null, "DataCustomer", TitledBorder.LEADING, TitledBorder.TOP, null, null));
    contentPane.add(panel_datacustomer);
    panel_datacustomer.setLayout(null);

    JLabel lbl_nama = new JLabel("Nama :");
    lbl_nama.setBounds(10, 21, 46, 14);
    panel_datacustomer.add(lbl_nama);

    JLabel lbl_alamat = new JLabel("Alamat :");
    lbl_alamat.setBounds(10, 46, 46, 14);
    panel_datacustomer.add(lbl_alamat);

    JLabel lbl_notelp = new JLabel("No Telp :");
    lbl_notelp.setBounds(10, 71, 46, 14);
    panel_datacustomer.add(lbl_notelp);

    textField_nama = new JTextField();
    textField_nama.setBounds(66, 18, 86, 20);
    panel_datacustomer.add(textField_nama);

```



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Prodi: DIV Teknik Informatika

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```
textField_nama.setColumns(10);

textField_alamat = new JTextField();
textField_alamat.setColumns(10);
textField_alamat.setBounds(66, 43, 86, 20);
panel_datacustomer.add(textField_alamat);


textField_notelp = new JTextField();
textField_notelp.setColumns(10);
textField_notelp.setBounds(66, 68, 86, 20);
panel_datacustomer.add(textField_notelp);

JPanel panel_pilihmenu = new JPanel();
panel_pilihmenu.setBorder(new TitledBorder(null, "Pilih Menu", TitledBorder
.LEADING, TitledBorder.TOP, null, null));
panel_pilihmenu.setBounds(263, 42, 190, 100);
contentPane.add(panel_pilihmenu);
panel_pilihmenu.setLayout(null);

chckbx_steak = new JCheckBox("Steak");
chckbx_steak.setBounds(10, 21, 97, 23);
panel_pilihmenu.add(chckbx_steak);
chckbx_steak.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e){
        getTotalBayar();
    }
});

chckbx_spaghetti = new JCheckBox("Spaghetti");
chckbx_spaghetti.setBounds(10, 43, 97, 23);
panel_pilihmenu.add(chckbx_spaghetti);
chckbx_spaghetti.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e){
        getTotalBayar();
    }
});

chckbx_pizza = new JCheckBox("Pizza");
chckbx_pizza.setBounds(10, 65, 97, 23);
panel_pilihmenu.add(chckbx_pizza);
```

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```

chkbxb_pizza.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e){
        getTotalBayar();
    }
});

lbl_totalbayar = new JLabel("TOTAL BAYAR");
lbl_totalbayar.setFont(new Font("Noto Sans", Font.BOLD, 14));
lbl_totalbayar.setBounds(230, 164, 102, 14);
contentPane.add(lbl_totalbayar);


textField_totalBayar = new JTextField();
textField_totalBayar.setEditable(false);
textField_totalBayar.setHorizontalAlignment(SwingConstants.RIGHT);
textField_totalBayar.setFont(new Font("Noto Serif", Font.BOLD, 13));
textField_totalBayar.setBackground(Color.BLACK);
textField_totalBayar.setForeground(Color.YELLOW);
textField_totalBayar.setText("0");
textField_totalBayar.setBounds(230, 183, 223, 28);
contentPane.add(textField_totalBayar);
textField_totalBayar.setColumns(10);

JButton btnTambah = new JButton("TAMBAH");
btnTambah.setBounds(351, 222, 102, 23);
contentPane.add(btnTambah);
btnTambah.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e){
        setReceipt();
    }
});

JPanel panelDataPenjualan = new JPanel();
panelDataPenjualan.setLayout(null);
panelDataPenjualan.setBorder(new TitledBorder(null, "Data Penjualan", Title
dBorder.LEADING, TitledBorder.TOP, null, null));
panelDataPenjualan.setBounds(5, 256, 448, 120);
contentPane.add(panelDataPenjualan);

textArea_dataPenjualan = new TextArea();
textArea_dataPenjualan.setEditable(false);

```

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```

    textArea_dataPenjualan.setBounds(10, 20, 428, 90);
    panelDataPenjualan.add(textArea_dataPenjualan);
}

```

- Main Program – Food Ordering App

```

public static void main(String[] args) {
    EventQueue.invokeLater(new Runnable() {
        public void run() {
            try {
                MainDriver frame = new MainDriver();
                frame.setVisible(true);
            } catch (Exception e) {
                e.printStackTrace();
            }
        }
    });
}

```