

## DAFTAR SCRIPT

### 1. Scrpit Form Mater Barang

```
package form;
import java.sql.*;
/*
 * Master_Barang.java
 */
public class Master_Barang extends javax.swing.JInternalFrame {

    /** Creates new form Master_Barang */
    public Master_Barang() {
        super("MASTER BARANG _ * GRAMEDIA *_", true, true, true,true);
        initComponents();
        txtkd_brg.setDocument(new Modul.TextLimit(5,Modul.TextLimit.HURUF_KAPITAL));
        txtnm_brg.setDocument(new Modul.TextLimit(20,Modul.TextLimit.HURUF_KAPITAL));
        txthrg_brg.setDocument(new Modul.TextLimit(15,Modul.TextLimit.DESIMAL));
        txtstok_brg.setDocument(new Modul.TextLimit(20,Modul.TextLimit.HURUF_KAPITAL));
        tabel(tb, selectAll);
        this.setVisible(true);
    }

    /** This method is called from within the constructor to
     * initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is
     * always regenerated by the Form Editor.
     */
    // <editor-fold defaultstate="collapsed" desc="Generated Code "> //GEN-BEGIN: initComponents
    private void initComponents() {
        jPopupMenu1 = new javax.swing.JPopupMenu();
        jPanel1 = new javax.swing.JPanel();
        btnSimpan = new javax.swing.JButton();
        btnUbah = new javax.swing.JButton();
        btnHapus = new javax.swing.JButton();
        btnTutup = new javax.swing.JButton();
        btnTambah = new javax.swing.JButton();
        jPanel2 = new javax.swing.JPanel();
        jLabel4 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        txtkd_brg = new javax.swing.JTextField();
        txtnm_brg = new javax.swing.JTextField();
        txthrg_brg = new javax.swing.JTextField();
        txtstok_brg = new javax.swing.JTextField();
        jScrollPane1 = new javax.swing.JScrollPane();
        tb = new javax.swing.JTable();
        jPanel3 = new javax.swing.JPanel();
        jLabel6 = new javax.swing.JLabel();
        txtcari = new javax.swing.JTextField();
        jLabel7 = new javax.swing.JLabel();
        cmbcari = new javax.swing.JComboBox();
        btnCari = new javax.swing.JButton();
        btnRefresh = new javax.swing.JButton();
        jLabel1 = new javax.swing.JL
```

```

getContentPane().setLayout(null);
setBackground(new java.awt.Color(255, 255, 255));
setClosable(true);
setIconifiable(true);
setMaximizable(true);
setTitle("FORM BARANG");
setFramelcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Master_Barang.png")));
jPanel1.setBackground(new java.awt.Color(153, 153, 255));
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Tombol Kontrol"));
btnSimpan.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Simpan.png")));
btnSimpan.setToolTipText("Simpan");
btnSimpan.setLabel("SIMPAN");
btnSimpan.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnSimpanActionPerformed(evt);
    }
});
btnUbah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Ubah.png")));
btnUbah.setToolTipText("Ubah");
btnUbah.setLabel("UBAH");
btnUbah.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnUbahActionPerformed(evt);
    }
});

btnHapus.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Hapus.png")));
btnHapus.setToolTipText("Hapus");
btnHapus.setLabel("HAPUS");
btnHapus.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnHapusActionPerformed(evt);
    }
});
btnTutup.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Keluar.png")));
btnTutup.setLabel("TUTUP");
btnTutup.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnTutupActionPerformed(evt);
    }
});
btnTambah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/tambah.gif")));
btnTambah.setText("TAMBAH");
btnTambah.setToolTipText("Tambah");
btnTambah.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnTambahActionPerformed(evt);
    }
});
org.jdesktop.layout.GroupLayout jPanel1Layout = new org.jdesktop.layout.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(org.jdesktop.layout.GroupLayout.LEADING)
        .add(jPanel1Layout.createSequentialGroup()
            .add(jPanel1Layout.createParallelGroup(org.jdesktop.layout.GroupLayout.LEADING)
                .add(btnSimpan, org.jdesktop.layout.GroupLayout.DEFAULT_SIZE, 114, Short.MAX_VALUE)
                .add(btnUbah, org.jdesktop.layout.GroupLayout.DEFAULT_SIZE, 114, Short.MAX_VALUE)
                .add(btnHapus, org.jdesktop.layout.GroupLayout.DEFAULT_SIZE, 114, Short.MAX_VALUE)
                .add(btnTutup, org.jdesktop.layout.GroupLayout.PREFERRED_SIZE, 34, org.jdesktop.layout.GroupLayout.PREFERRED_SIZE)
            )
            .addContainerGap()
        )
);

```

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getContentPane().add(jPanel1);
jPanel1.setBounds(20, 110, 150, 230);
jPanel1.getAccessibleContext().setAccessibleName("Tombol");
jPanel2.setLayout(null);
jPanel2.setBackground(new java.awt.Color(153, 153, 255));
jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Input barang"));
jLabel4.setText("Kode Buku");
jPanel2.add(jLabel4);
jLabel4.setBounds(20, 40, 50, 14);
jLabel2.setText("Judul Buku");
jPanel2.add(jLabel2);
jLabel2.setBounds(20, 90, 51, 10);
jLabel3.setText("Harga Buku");
jPanel2.add(jLabel3);
jLabel3.setBounds(30, 130, 55, 14);
jLabel5.setText("Stock Buku");
jPanel2.add(jLabel5);
jLabel5.setBounds(30, 170, 52, 14);
jPanel2.add(txtkd_brg);
txtkd_brg.setBounds(100, 40, 150, 20);
jPanel2.add(txtnm_brg);
txtnm_brg.setBounds(100, 80, 150, 20);
jPanel2.add(txthrg_brg);
txthrg_brg.setBounds(100, 120, 150, 20);
jPanel2.add(txtstok_brg);
txtstok_brg.setBounds(100, 160, 150, 20);
getContentPane().add(jPanel2);
jPanel2.setBounds(190, 110, 280, 230);
tb.setBackground(new java.awt.Color(204, 204, 255));
tb.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
tb.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mousePressed(java.awt.event.MouseEvent evt) {
        tbMousePressed(evt);
    }
});

jScrollPane1.setViewportView(tb);
getContentPane().add(jScrollPane1);
jScrollPane1.setBounds(0, 430, 490, 90);
jPanel3.setLayout(null);
jPanel3.setBackground(new java.awt.Color(153, 153, 255));
jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder("Pencarian"));
jLabel6.setText("CARI");
jPanel3.add(jLabel6);
jLabel6.setBounds(10, 20, 40, 14);
jPanel3.add(txtcari);
txtcari.setBounds(40, 20, 80, 20);
jLabel7.setText("Berdasar");
jPanel3.add(jLabel7);
jLabel7.setBounds(130, 20, 60, 20);
cmbcari.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "kd_brg", "nm_brg",
"hrg_brg" }));
jPanel3.add(cmbcari);
cmbcari.setBounds(180, 20, 63, 20);
btnCari.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Cari.png")));
btnCari.setText("CARI");
btnCari.addActionListener(new java.awt.event.ActionListener() {

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jPanel3.add(btnCari);
    btnCari.setBounds(250, 20, 100, 25);
    btnRefresh.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/refresh.gif")));
    btnRefresh.setText("REFREST");
    btnRefresh.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnRefreshActionPerformed(evt);
        }
    });
jPanel3.add(btnRefresh);
    btnRefresh.setBounds(360, 20, 110, 25);
    getContentPane().add(jPanel3);
    jPanel3.setBounds(0, 350, 490, 60);
    jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/garamedial.png")));
    getContentPane().add(jLabel1);
    jLabel1.setBounds(0, 0, 490, 100);
    java.awt.Dimension screenSize = java.awt.Toolkit.getDefaultToolkit().getScreenSize();
    setBounds((screenSize.width-500)/2, (screenSize.height-554)/2, 500, 554);
} // </editor-fold> //GEN-END: initComponents

private void btnRefreshActionPerformed(java.awt.event.ActionEvent evt) //GEN-
FIRST:event_btnRefreshActionPerformed
tabel(tb, selectAll);
} //GEN-LAST:event_btnRefreshActionPerformed

private void btnCariActionPerformed(java.awt.event.ActionEvent evt) //GEN-
FIRST:event_btnCariActionPerformed
Cari();
} //GEN-LAST:event_btnCariActionPerformed

private void tbMousePressed(java.awt.event.MouseEvent evt) //GEN-FIRST:event_tbMousePressed
// TODO add your handling code here:
    TbSelected();
} //GEN-LAST:event_tbMousePressed

private void btnTutupActionPerformed(java.awt.event.ActionEvent evt) //GEN-
FIRST:event_btnTutupActionPerformed
this.dispose();
} //GEN-LAST:event_btnTutupActionPerformed

private void btnHapusActionPerformed(java.awt.event.ActionEvent evt) //GEN-
FIRST:event_btnHapusActionPerformed
Hapus();
} //GEN-LAST:event_btnHapusActionPerformed

private void btnUbahActionPerformed(java.awt.event.ActionEvent evt) //GEN-
FIRST:event_btnUbahActionPerformed
Ubah();
} //GEN-LAST:event_btnUbahActionPerformed

private void btnSimpanActionPerformed(java.awt.event.ActionEvent evt) //GEN-
FIRST:event_btnSimpanActionPerformed
Simpan();
} //GEN-LAST:event_btnSimpanActionPerformed

private void btnTambahActionPerformed(java.awt.event.ActionEvent evt) //GEN-
FIRST:event_btnTambahActionPerformed
Tambah();
} //GEN-LAST:event_btnTambahActionPerformed

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private void Cari(){
    sql = "select * from barang where "+cmbcari.getSelectedItemAt()+" like '%" +txtcari.getText()+"%'";
    tabel(tb, sql);
}

private void TbSelected() {
    int index = tb.getSelectedRow();
    if(index != -1) {
        txtkd_brg.setText(tb.getValueAt(index,0).toString());
        txtnm_brg.setText(tb.getValueAt(index,1).toString());
        txthrg_brg.setText(tb.getValueAt(index,2).toString());
        txtstok_brg.setText(tb.getValueAt(index,3).toString());
        txtkd_brg.getText();
    }
}

private void ProteksiTxt(boolean b) {
    txtkd_brg.setEditable(b);
    txtnm_brg.setEditable(b);
    txthrg_brg.setEditable(b);
    txtstok_brg.setEditable(b);
}

private void ProtekBTN(boolean b) {
    btnHapus.setEnabled(b);
    btnSimpan.setEnabled(b);
    btnUbah.setEnabled(b);
}

private void Bersih() {
    txtkd_brg.setText("");
    txtnm_brg.setText("");
    txthrg_brg.setText("");
    txtstok_brg.setText("");
}

private boolean CekValidasi() {
    if(txtkd_brg.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this, "Kode Barang Belum di sisi!");
        txtkd_brg.requestFocus();
        return false;
    }
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton btnCari;
private javax.swing.JButton btnHapus;
private javax.swing.JButton btnRefresh;
private javax.swing.JButton btnSimpan;
private javax.swing.JButton btnTambah;
private javax.swing.JButton btnTutup;
private javax.swing.JButton btnUbah;
private javax.swing.JComboBox cmbcari;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPopupMenu jPopupMenu1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable tb;
private javax.swing.JTextField txtcari;
private javax.swing.JTextField txthrg_brg;
private javax.swing.JTextField txtkd_brg;
private javax.swing.JTextField txtnm_brg;
private javax.swing.JTextField txtstok_brg;

```

```

private void UbahData() {
    String values =
    "nm_brg="+txtnm_brg.getText()+"",hrg_brg="+txthrg_brg.getText()+"",stok_brg="+txtstok_brg.getText()+"";
    Modul.Query.UbahData("Barang", values, "kd_brg", txtkd_brg.getText());
}

private void Simpan() {
    if(!CekValidasi()) return;
    //di ubah
    if(btnUbah.getToolTipText().equals("Batal")) {
        UbahData();
        btnUbah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/edit.gif")));
        btnUbah.setToolTipText("Ubah");
    } else //di simpan
    if(Modul.Query.cekData("Barang", "kd_brg", "kd_brg", txtkd_brg.getText())) {
        javax.swing.JOptionPane.showMessageDialog(this,"kd_brg : "+
        txtkd_brg.getText()+" Sudah Ada!");
        Bersih();
        TbSelected();
        ProteksiTxt(false);
        btnTambah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/tambah.gif")));
        btnTambah.setToolTipText("Tambah");
        btnSimpan.setEnabled(false);
        btnUbah.setEnabled(true);
        btnHapus.setEnabled(true);
        return;
    }
    SimpanData();
    btnTambah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/tambah.gif")));
    btnTambah.setToolTipText("Tambah");
}
ProteksiTxt(false);
btnSimpan.setEnabled(false);
btnUbah.setEnabled(true);
btnHapus.setEnabled(true);
btnTambah.setEnabled(true);
tabel(tb, selectAll);
}

private void Tambah() {
    if(btnTambah.getToolTipText().equals("Tambah")) {
        Bersih();
        txtkd_brg.setText(Modul.Query.CekKode(tb, "B"));
        btnHapus.setEnabled(false);
        btnSimpan.setEnabled(true);
    } else {
        btnTambah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/tambah.gif")));
        btnSimpan.setEnabled(false);
        tabel(tb, selectAll);
    }
}

private void Ubah() {
    if(btnUbah.getToolTipText().equals("Ubah")) {
        ProteksiTxt(true);
        btnTambah.setEnabled(false);
        btnHapus.setEnabled(false);
        btnSimpan.setEnabled(true);
        txtkd_brg.requestFocus();
    }
}
}

```

## 2. Scripit Form Mater Pelanggan

```
package form;
/*
 * Master_Pelanggan.java
 */

public class Master_Pelanggan extends javax.swing.JInternalFrame {

    /** Creates new form Master_Pelanggan */
    public Master_Pelanggan() {
        super("MASTER PELANGGAN _* GRAMEDIA * _", true, true, true,true);

        initComponents();

        txtnohp.setDocument(new Modul.TextLimit(20,Modul.TextLimit.HURUF_KAPITAL));
        txtnm_plg.setDocument(new Modul.TextLimit(35,Modul.TextLimit.HURUF_KAPITAL));
        txtno_ktp.setDocument(new Modul.TextLimit(19,Modul.TextLimit.DESIMAL));
        txtalamat.setDocument(new Modul.TextLimit(45,Modul.TextLimit.HURUF_KAPITAL));
        tabel(tb, selectAll);
        this.setVisible(true);
    }

    /** This method is called from within the constructor to
     * initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is
     * always regenerated by the Form Editor.
     */
    // <editor-fold defaultstate="collapsed" desc="Generated Code "> //GEN-BEGIN: initComponents
    private void initComponents() {
        jLabel1 = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        tb = new javax.swing.JTable();
        jPanel1 = new javax.swing.JPanel();
        btnTambah = new javax.swing.JButton();
        btnTutup = new javax.swing.JButton();
        btnHapus = new javax.swing.JButton();
        btnUbah = new javax.swing.JButton();
        btnSimpan = new javax.swing.JButton();
        jPanel2 = new javax.swing.JPanel();
        jLabel6 = new javax.swing.JLabel();
        txtcari = new javax.swing.JTextField();
        jLabel7 = new javax.swing.JLabel();
        cmbcari = new javax.swing.JComboBox();
        btnCari = new javax.swing.JButton();
        btnRefresh = new javax.swing.JButton();
        jPanel3 = new javax.swing.JPanel();
        txtnohp = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        txtno_ktp = new javax.swing.JTextField();
        txtnm_plg = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jScrollPane2 = new javax.swing.JScrollPane();
        txtalamat = new javax.swing.JTextArea();
        tb.setBackground(new java.awt.Color(204, 255, 204));
        tb.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null}
            },
            ),
        ),
```

```

package form;
/*
 * Master_Pelanggan.java
 */

public class Master_Pelanggan extends javax.swing.JInternalFrame {

    /** Creates new form Master_Pelanggan */
    public Master_Pelanggan() {
        super("MASTER PELANGGAN _ * GRAMEDIA * _", true, true, true,true);

        initComponents();

        txtnohp.setDocument(new Modul.TextLimit(20,Modul.TextLimit.HURUF_KAPITAL));
        txtnm_plg.setDocument(new Modul.TextLimit(35,Modul.TextLimit.HURUF_KAPITAL));
        txtno_ktp.setDocument(new Modul.TextLimit(19,Modul.TextLimit.DESIMAL));
        txtalamat.setDocument(new Modul.TextLimit(45,Modul.TextLimit.HURUF_KAPITAL));
        tabel(tb, selectAll);
        this.setVisible(true);
    }

    /** This method is called from within the constructor to
     * initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is
     * always regenerated by the Form Editor.
     */
    // <editor-fold defaultstate="collapsed" desc=" Generated Code ">//GEN-BEGIN: initComponents
    private void initComponents() {
        jLabel1 = new javax.swing.JLabel();
        jScrollPane1 = new javax.swing.JScrollPane();
        tb = new javax.swing.JTable();
        jPanel1 = new javax.swing.JPanel();
        btnTambah = new javax.swing.JButton();
        btnTutup = new javax.swing.JButton();
        btnHapus = new javax.swing.JButton();
        btnUbah = new javax.swing.JButton();
        btnSimpan = new javax.swing.JButton();
        jPanel2 = new javax.swing.JPanel();
        jLabel6 = new javax.swing.JLabel();
        txtcari = new javax.swing.JTextField();
        jLabel7 = new javax.swing.JLabel();
        cmbcari = new javax.swing.JComboBox();
        btnCari = new javax.swing.JButton();
        btnRefresh = new javax.swing.JButton();
        jPanel3 = new javax.swing.JPanel();
        txtnohp = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        txtno_ktp = new javax.swing.JTextField();
        txtnm_plg = new javax.swing.JTextField();
        jLabel5 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jScrollPane2 = new javax.swing.JScrollPane();
        txtalamat = new javax.swing.JTextArea();
        tb.setBackground(new java.awt.Color(204, 255, 204));
        tb.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null}
            },
        ),
    },

```

```

jScrollPane1.setViewportViewView(tb);

getContentPane().add(jScrollPane1);
jScrollPane1.setBounds(10, 390, 510, 90);

jPanel1.setLayout(null);

jPanel1.setBackground(new java.awt.Color(153, 153, 255));
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Tombol Kontrol"));
btnTambah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/tambah.gif")));
btnTambah.setText("TAMBAH");
btnTambah.setToolTipText("Tambah");
btnTambah.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnTambahActionPerformed(evt);
    }
});

jPanel1.add(btnTambah);
btnTambah.setBounds(30, 20, 130, 30);

btnTutup.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/keluar.gif")));
btnTutup.setText("TUTUP");
btnTutup.setToolTipText("Tutup");
btnTutup.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnTutupActionPerformed(evt);
    }
});

jPanel1.add(btnTutup);
btnTutup.setBounds(30, 180, 130, 30);

btnHapus.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Hapus.png")));
btnHapus.setText("HAPUS");
btnHapus.setToolTipText("Hapus");
btnHapus.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnHapusActionPerformed(evt);
    }
});

jPanel1.add(btnHapus);
btnHapus.setBounds(30, 140, 130, 30);

btnUbah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Ubah.png")));
btnUbah.setText("UBAH");
btnUbah.setToolTipText("Ubah");
btnUbah.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnUbahActionPerformed(evt);
    }
});

btnRefresh.setToolTipText("Refresh");
btnRefresh.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnRefreshActionPerformed(evt);
    }
});

```

```

jPanel3.setBackground(new java.awt.Color(153, 153, 255));
jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder("Input Pelanggan"));
jPanel3.add(txtnohp);
txtnohp.setBounds(110, 20, 200, 20);

jLabel4.setText("Nama Pelanggan");
jPanel3.add(jLabel4);
jLabel4.setBounds(10, 50, 100, 14);

jPanel3.add(txtno_ktp);
txtno_ktp.setBounds(110, 80, 200, 20);

jPanel3.add(txtnm_plg);
txtnm_plg.setBounds(110, 50, 200, 20);

jLabel5.setText("Alamat");
jPanel3.add(jLabel5);
jLabel5.setBounds(10, 110, 60, 14);

jLabel2.setText("No KTP");
jPanel3.add(jLabel2);
jLabel2.setBounds(10, 80, 90, 14);

jLabel3.setText("No. Handphone");
jPanel3.add(jLabel3);
jLabel3.setBounds(10, 20, 90, 14);

txtalamat.setColumns(20);
txtalamat.setRows(5);
jScrollPane2.setViewportView(txtalamat);

jPanel3.add(jScrollPane2);
jScrollPane2.setBounds(110, 110, 200, 100);

getContentPane().add(jPanel3);
jPanel3.setBounds(10, 100, 320, 220);
private boolean CekValidasi() {
    if(txtnohp.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this,"Kode Barang Belum di sisi!");
        txtnohp.requestFocus();
        return false;
    }

    if(txtnm_plg.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this,"Data Harus Diisi!");
        txtnm_plg.requestFocus();
        return false;
    }

    if(txtno_ktp.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this,"Data harga belum di isi semua! Harap diperiksa
lagi");
        txtno_ktp.requestFocus();
        return false;
    }
    if(txtalamat.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this,"Data stok belum di isi semua! Harap diperiksa
lagi");
        txtalamat.requestFocus();
        return false;
    }
}

```

```

SimpanData());
    btnTambah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/tambah.gif")));
    btnTambah.setToolTipText("Tambah");
}
ProteksiTxt(false);
btnSimpan.setEnabled(false);
btnUbah.setEnabled(true);
btnHapus.setEnabled(true);
btnTambah.setEnabled(true);
tabel(tb, selectAll);
}

private void Tambah() {
    if(btnTambah.getToolTipText().equals("Tambah")) {
        Bersih();
        btnTambah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/keluar.gif")));
        btnTambah.setToolTipText("Batal");
        ProteksiTxt(true);
        btnUbah.setEnabled(false);
        btnHapus.setEnabled(false);
        btnSimpan.setEnabled(true);
    } else {
        btnTambah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/tambah.gif")));
        btnTambah.setToolTipText("Tambah");
        ProteksiTxt(false);
        btnSimpan.setEnabled(false);
        tabel(tb, selectAll);
    }
}

private void Hapus() {
    HapusData();
    tabel(tb, selectAll);
}

private void Ubah() {
    if(btnUbah.getToolTipText().equals("Ubah")) {
        btnUbah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/keluar.gif")));
        btnUbah.setToolTipText("Batal");
        ProteksiTxt(true);
        btnTambah.setEnabled(false);
        btnHapus.setEnabled(false);
        btnSimpan.setEnabled(true);
        txtnohp.requestFocus();
    } else {
        btnUbah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/edit.gif")));
        btnUbah.setToolTipText("Ubah");
        ProteksiTxt(false);
        btnSimpan.setEnabled(false);
        btnTambah.setEnabled(true);
        btnHapus.setEnabled(true);
    }
}
}
}

```

### 3. Scrpit Form Menu Utama

```
package form;

import java.awt.Frame;
import java.awt.event.WindowAdapter;
import java.awt.event.WindowEvent;
import java.beans.PropertyVetoException;
import javax.swing.UIManager;
import javax.swing.UnsupportedLookAndFeelException;

public class Menu_Utama extends javax.swing.JFrame {

    public Menu_Utama() {
        initComponents();
        getContentPane().add(jd,java.awt.BorderLayout.CENTER);
        java.awt.Dimension uk=java.awt.Toolkit.getDefaultToolkit().getScreenSize();
        this.setSize((int)uk.getWidth(),(int)uk.getHeight());
        protrksi(false);
        this.addWindowListener(new WindowAdapter() {
            public void windowOpened(WindowEvent e) {
                LoadLogin();
            }
        });
        jam().start();

        this.setExtendedState(Frame.MAXIMIZED_BOTH);
    }

    // <editor-fold defaultstate="collapsed" desc=" Generated Code "> //GEN-BEGIN: initComponents
    private void initComponents() {
        lblStatus = new javax.swing.JLabel();
        jMenuItemBar1 = new javax.swing.JMenuItem();
        mnFile = new javax.swing.JMenu();
        miLogin = new javax.swing.JMenuItem();
        jSeparator1 = new javax.swing.JSeparator();
        miLogOff = new javax.swing.JMenuItem();
        jSeparator2 = new javax.swing.JSeparator();
        miExit = new javax.swing.JMenuItem();
        mnMaster = new javax.swing.JMenu();
        miBarang = new javax.swing.JMenuItem();
        jSeparator3 = new javax.swing.JSeparator();
        miPelanggan = new javax.swing.JMenuItem();
        jSeparator4 = new javax.swing.JSeparator();
        miPemimpin = new javax.swing.JMenuItem();
        jSeparator5 = new javax.swing.JSeparator();
        miAdministrator = new javax.swing.JMenuItem();
        mnServer = new javax.swing.JMenu();
        mismssserver = new javax.swing.JMenuItem();
    }
}
```

```

});

mnFile.add(miExit);

jMenuBar1.add(mnFile);

mnMaster.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/master.gif")));
mnMaster.setText("Master Gramedia");
miBarang.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Master_Barang.png")));
miBarang.setText("Form Barang");
miBarang.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        miBarangActionPerformed(evt);
    }
});

mnMaster.add(miBarang);

mnMaster.add(jSeparator3);

miPelanggan.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/gambar/master_pelanggan.gif")));
miPelanggan.setText("Form Pelanggan");
miPelanggan.setAutoScrolls(true);
miPelanggan.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        miPelangganActionPerformed(evt);
    }
});

mnMaster.add(miPelanggan);

mnMaster.add(jSeparator4);

miPemimpin.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/mastersupplier.gif")));
miPemimpin.setText("Form Pemimpin");
miPemimpin.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        miPemimpinActionPerformed(evt);
    }
});

mnMaster.add(miPemimpin);

mnMaster.add(jSeparator5);

miAdministrator.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/admin2.gif")));
miAdministrator.setText("Form Administrator");
miAdministrator.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        miAdministratorActionPerformed(evt);
    }
});

```

```

private void formWindowClosing(java.awt.event.WindowEvent evt) { //GEN-FIRST:event_formWindowClosing
    keluarProg();
} //GEN-LAST:event_formWindowClosing

private void mismsserverActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_mismsserverActionPerformed
    Menu_Utama menu = new Menu_Utama();
    Sms_Server arie = new Sms_Server(menu);
    jd.add(arie);
    arie.setVisible(true);
} //GEN-LAST:event_mismsserverActionPerformed

private void miAdministratorActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_miAdministratorActionPerformed
    Admin adm = new Admin();
    jd.add(adm);
    adm.setVisible(true);
} //GEN-LAST:event_miAdministratorActionPerformed

private void miPemimpinActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_miPemimpinActionPerformed
    pimpinan pim = new pimpinan();
    jd.add(pim);
    pim.setVisible(true);
} //GEN-LAST:event_miPemimpinActionPerformed

private void miPelangganActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_miPelangganActionPerformed
    Master_Pelanggan pelanggan = new Master_Pelanggan();
    jd.add(pelanggan);
    pelanggan.setVisible(true);
} //GEN-LAST:event_miPelangganActionPerformed

private void miBarangActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_miBarangActionPerformed
    Master_Barang barang = new Master_Barang();
    jd.add(barang);
    barang.setVisible(true);
} //GEN-LAST:event_miBarangActionPerformed

private void miExitActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_miExitActionPerformed
    keluarProg();
} //GEN-LAST:event_miExitActionPerformed

private void miLogOffActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_miLogOffActionPerformed
    LogOff();
} //GEN-LAST:event_miLogOffActionPerformed

private void miLoginActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_miLoginActionPerformed
    LoadLogin();
} //GEN-LAST:event_miLoginActionPerformed

public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            try {
                UIManager.setLookAndFeel("com.jtattoo.plaf.luna.LunaLookAndFeel");
            } catch (UnsupportedLookAndFeelException ex) {

```

```

private void keluarProg() {
    int jaw=javax.swing.JOptionPane.showConfirmDialog(this,"Apakah Anda Ingin Keluar dari Aplikasi ini?",
    "INFORMASI",javax.swing.JOptionPane.YES_NO_OPTION,javax.swing.JOptionPane.INFORMATION_MESSAGE);
    if(jaw == javax.swing.JOptionPane.YES_OPTION) {
        dispose();
        System.exit(0);
    }
    else {
        setDefaultCloseOperation(javax.swing.JFrame.DO_NOTHING_ON_CLOSE);
    }
}
private void LogOff() {
    int jaw=javax.swing.JOptionPane.showConfirmDialog(this,"Apakah Anda Ingin Log Off pada Aplikasi ini?",
    "INFORMASI",javax.swing.JOptionPane.YES_NO_OPTION,javax.swing.JOptionPane.INFORMATION_MESSAGE);
    if (jaw == javax.swing.JOptionPane.YES_OPTION){
        protrksi(false);
        LoadLogin();
        SelamatDatang="";
    }
    else {
        setDefaultCloseOperation(javax.swing.JFrame.DO_NOTHING_ON_CLOSE);
    }
}
public void protrksi(boolean b) {
    miLogin.setEnabled(!b);
    mnMaster.setEnabled(b);
    mnServer.setEnabled(b);
}
private Thread jam() {
    return new Thread() {
        public void run() {
            while(true) {
                java.util.Date sekarang=new java.util.Date();
                java.text.SimpleDateFormat f=new java.text.SimpleDateFormat("EEEE, dd MMMM yyyy  h:mm:ss
a");
                lblStatus.setText(" Gramedia Pangkalpinang " + f.format(sekarang)+SelamatDatang);
                try {
                    Thread.sleep(1000);
                } catch(Exception e) {}
            }
        }
    };
}
}

```

#### 4. Scrpit Form Broadcast

```
package form;
public class Broadcast extends javax.swing.JPanel implements Runnable{

    /** Creates new form Broadcast */
    public Broadcast(form.Sms_Server main) {
        initComponents();
        this.main=main;
        txtPsn.setDocument(new Modul.TextLimit(480));
        this.setVisible(true);
    }
    jPanel6.add(btnKirim);
    btnKirim.setBounds(60, 300, 190, 30);

    btnBersih.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/xfmail.png")));
    btnBersih.setText("Bersih");
    btnBersih.setEnabled(false);
    btnBersih.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnBersihActionPerformed(evt);
        }
    });

    jPanel6.add(btnBersih);
    btnBersih.setBounds(260, 300, 210, 30);

    lblKta.setForeground(new java.awt.Color(255, 255, 255));
    lblKta.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    lblKta.setText("Panjang Karakter : 0");
    lblKta.setBorder(javax.swing.BorderFactory.createEtchedBorder());
    jPanel6.add(lblKta);
    lblKta.setBounds(180, 10, 140, 30);

    lblSisa.setForeground(new java.awt.Color(255, 255, 255));
    lblSisa.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    lblSisa.setText("Sisa Karakter : 480");
    lblSisa.setBorder(javax.swing.BorderFactory.createEtchedBorder());
    jPanel6.add(lblSisa);
    lblSisa.setBounds(340, 10, 130, 30);
}
else {
    lblKta.setText("Panjang Karakter : "+txtPsn.getText().length());

    int pesan=txtPsn.getText().length();
    if(pesan <= 160){
        lblPage.setText("Page : 1");
    } else if(pesan <= 320 && pesan > 160 ){
        lblPage.setText("Page : 2");
    }
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton btnBersih;
private javax.swing.JButton btnKirim;
private javax.swing.JPanel jPanel6;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JLabel lblKta;
private javax.swing.JLabel lblPage;
private javax.swing.JLabel lblSisa;
private javax.swing.JTextArea txtPsn;
// End of variables declaration//GEN-END:variables
private form.Sms_Server main;
}
```

## 5. Script Form Menu Login

```
package form;
public class mnuLogin extends javax.swing.JInternalFrame {

    /** Creates new form mnuLogin */
    public mnuLogin(Menu_Utama main) {
        super("Form Login",false, true, false);
        initComponents();
        this.main=main;
        txtid.setDocument(new Modul.TextLimit(20));
        txtpass.setDocument(new Modul.TextLimit(20));
        this.setVisible(true);
    }
    getContentPane().setLayout(null);

    setBackground(new java.awt.Color(255, 255, 255));
    setClosable(true);
    setIconifiable(true);
    setMaximizable(true);
    setResizable(true);
    setTitle("LOGIN ADMIN SERVER");
    setFrameIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Login.gif")));
    getAccessibleContext().setAccessibleName("Login Admin Server SMS Gateway");
    jLabel3.setFont(new java.awt.Font("Broadway BT", 0, 18));
    jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/gamedial.png")));
    getContentPane().add(jLabel3);
    jLabel3.setBounds(0, 0, 500, 140);

    jPanel2.setLayout(null);

    jPanel2.setBackground(new java.awt.Color(51, 51, 255));
    jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder("Entry"));
    jLabel2.setFont(new java.awt.Font("Tahoma", 0, 14));
    jLabel2.setForeground(new java.awt.Color(255, 255, 255));
    jLabel2.setText("Kata Sandi");
    jPanel2.add(jLabel2);
    jLabel2.setBounds(30, 60, 70, 17);

    jLabel1.setFont(new java.awt.Font("Tahoma", 0, 14));
    jLabel1.setForeground(new java.awt.Color(255, 255, 255));
    jLabel1.setText("Pengguna Server");
    jPanel2.add(jLabel1);
    jLabel1.setBounds(30, 30, 110, 17);

    btnlogin.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Login.gif")));
    btnlogin.setText("Login");
    btnlogin.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnloginActionPerformed(evt);
        }
    });

    btnbatal.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/keluar.gif")));
    btnbatal.setText("Batal");
    btnbatal.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnbatalActionPerformed(evt);
        }
    });
});
```

```

private void btnbatalActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_btnbatalActionPerformed
    txtid.setText("");
    txtpass.setText("");
    txtid.requestFocus();
} //GEN-LAST:event_btnbatalActionPerformed

private boolean cek() {
    if(txtid.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this,"User ID Harus Di isi!");
        txtid.requestFocus();
        return false;
    }
    if(txtpass.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this,"Password Harus Di isi!");
        txtpass.requestFocus();
        return false;
    }
    return true;
}

private void LogIn() {
    if(!cek()) {
        return;
    }
    Modul.Query a=new Modul.Query();
    a.setField1(txtid.getText());
    a.setField2(txtpass.getText());
    if(!Modul.Query.cekData("admin", "user_id", "user_id", txtid.getText())) {
        javax.swing.JOptionPane.showMessageDialog(this,"User ID tidak terdaftar!");
        return;
    }
    if(a.SamainField("admin", "user_id", "password", "user_id", txtid.getText())) {
        main.protrksi(true);
        main.setSelamatDatang(a.getAdmin().get("nama").toString());
        dispose();
    }
    else {
        javax.swing.JOptionPane.showMessageDialog(this,"Password anda salah!");
    }
}

// Variables declaration - do not modify //GEN-BEGIN:variables
private javax.swing.JButton btnbatal;
private javax.swing.JButton btnkeluar;
private javax.swing.JButton btnlogin;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JTextField txtid;
private javax.swing.JPasswordField txtpass;
// End of variables declaration //GEN-END:variables
private Menu_Utama main;
}

```

## 6. Scrpit Form Menu Admin

```
package form;
public class Admin extends javax.swing.JInternalFrame {

    /** Creates new form Admin */
    public Admin() {
        super("Form Administrator", true, true, true,true);
        initComponents();
        txtTelp.setDocument(new Modul.TextLimit(12,Modul.TextLimit.DESIMAL));
        txtID.setDocument(new Modul.TextLimit(10));
        txtPass.setDocument(new Modul.TextLimit(15));
        txtnama.setDocument(new Modul.TextLimit(20));
        txtAlamat.setDocument(new Modul.TextLimit(200));
        lblpassbaru.setVisible(false);
        txtPasslama.setVisible(false);
        lblpasslama.setVisible(false);
        this.setVisible(true);
    }
    jLabel1.setFont(new java.awt.Font("Broadway BT", 0, 24));
    jLabel1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/gamedial.png")));
    getContentPane().add(jLabel1);
    jLabel1.setBounds(50, 10, 500, 90);

    jPanel1.setBackground(new java.awt.Color(51, 102, 255));
    jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder("Input Admin"));
    jLabel2.setText("User Id");

    jLabel3.setText("Password");

    lblpassbaru.setText("Baru");

    lblpasslama.setText("Lama");

    jLabel6.setText("Nama");

    jLabel7.setText("No Handphone");

    jLabel8.setText("Alamat");

    txtAlamat.setColumns(20);
    txtAlamat.setRows(5);
    jScrollPane1.setViewportView(txtAlamat);

    jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/Cari.png")));
    jButton1.setText("CARI");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });
    btnSimpan.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/save.gif")));
    btnSimpan.setText("SIMPAN");
    btnSimpan.setToolTipText("Simpan");
    btnSimpan.setEnabled(false);
    btnSimpan.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnSimpanActionPerformed(evt);
        }
    });
}
```

```

private boolean cekValidasi() {
    if(txtID.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this,"User ID Harus Diisi!");
        txtID.requestFocus();
        return false;
    }
    if(txtPass.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this,"Password Harus Diisi!");
        txtPass.requestFocus();
        return false;
    }
    if(txtnama.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this,"Nama Harus Diisi!");
        txtnama.requestFocus();
        return false;
    }
    if(txtTelp.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this,"Nomor Telpon Harus Diisi!");
        txtTelp.requestFocus();
        return false;
    }
    if(txtAlamat.getText().equals("")) {
        javax.swing.JOptionPane.showMessageDialog(this,"Alamat Harus Diisi!");
        txtAlamat.requestFocus();
        return false;
    }
    return true;
}

private javax.swing.JButton btnHapus;
private javax.swing.JButton btnSimpan;
private javax.swing.JButton btnTambah;
private javax.swing.JButton btnTutup;
private javax.swing.JButton btnUbah;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JLabel lblpassbaru;
private javax.swing.JLabel lblpasslama;
private javax.swing.JTextArea txtAlamat;
private javax.swing.JTextField txtID;
private javax.swing.JPasswordField txtPass;
private javax.swing.JPasswordField txtPasslama;
private javax.swing.JTextField txtTelp;
private javax.swing.JTextField txtnama;

private Modul.Query admin = new Modul.Query();
private String pk;
}

```

## 7. Scrit Form Menu SMS Server

```
package form;
import Modul.Koneksi;
import Modul.Query;
import javax.swing.*;
import javax.comm.*;
import java.io.*;
import java.util.*;
import java.util.Date;
import java.util.regex.Pattern;
import java.sql.*;
/**
 *
 */
public class Sms_Server extends javax.swing.JInternalFrame {
    /** Creates new form Sms_Server */
    public Sms_Server(Menu_Utama main) {
        initComponents();
        tab.addTab("Data Inbox", new javax.swing.ImageIcon(getClass().getResource("/gambar/Tamplate.png")),
        new inbox());
        tab.addTab("Data outbox", new
        javax.swing.ImageIcon(getClass().getResource("/gambar/TEXT_FILE.gif")), new outbox());
        tab.addTab("Data saran", new javax.swing.ImageIcon(getClass().getResource("/gambar/po.gif")), new
        saran());
        tab.addTab("Data Broadcast", new
        javax.swing.ImageIcon(getClass().getResource("/gambar/databuku16.png")), new Broadcast(this));
        Enumeration portList = CommPortIdentifier.getPortIdentifiers();
        while (portList.hasMoreElements()) {
            CommPortIdentifier portId = (CommPortIdentifier) portList.nextElement();
            if (portId.getPortType() == CommPortIdentifier.PORT_SERIAL) {
                cmbport.addItem(portId.getName());
            }
        }
        ls.setModel(lsm);
        this.setVisible(true);
    }
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
    FIRST:event_jButton1ActionPerformed
        tes();
    } //GEN-LAST:event_jButton1ActionPerformed

    private void btnmulaiActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
    FIRST:event_btnmulaiActionPerformed
        if(btnmulai.getToolTipText().equals("Start")) {
            btnmulai.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/logout.gif")));
            btnmulai.setToolTipText("Putus");
            btnmulai.setText(" Stop Koneksi");
            Sambung();
        } else {
            lsm.removeAllElements();
            i=0;
            btnmulai.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/logon.gif")));
            btnmulai.setToolTipText("Start");
            btnmulai.setText(" Mulai Koneksi");
            Putus();
        }
    }
}
```

```

public void cekSMSMasuk(String nohp,String psn) {
    psn=psn.trim().replaceAll("","");
    Modul.Pelanggan plg = new Modul.Pelanggan();
    simpanInBox(nohp,psn);

    // Menulis status pesan Tebel KIRIM menjadi "Telah Diproses"
    tulisStatusData(nohp, "Telah Diproses");
    String balas="";

    Modul.CekPesanSMS cek=new Modul.CekPesanSMS(nohp,psn);
    plg.setNoHP(nohp);
    if(psn.toUpperCase().startsWith("REG")) {
        if(psn.toUpperCase().matches("REG (\\w|\\s)+#(\\d)+#(\\w|\\s)+"))
            balas=cek.Daftar();
        else {
            balas="Format Registrasi Salah:\\n"+
                "Yang Benar : REG<spasi>Nama#NoKtp#Alamat";
        }
    }
    else if(psn.toUpperCase().startsWith("HELP")) {
        if(psn.toUpperCase().matches("HELP")){
            balas=cek.help();
        }
        else {
            balas="Format Help Salah\\n"+
                "Yang Benar Ketik : HELP";
        }
    }
    else if(psn.toUpperCase().startsWith("UPDATE")) {
        if(psn.toUpperCase().matches("UPDATE (\\d)+"))
            balas=cek.UPDATE();
        else {
            balas="Format UPDATE Salah:\\n"+
                "Yang Benar : UPDATE<spasi>No Ktp";
        }
    }
}

public void Broadcast(String psn) {
    java.util.Vector v= getDataBroadcast();
    if(v != null) {
        for(int i=0;i<v.size();i++) {
            String temp=null,pecah=null;
            int pjgKarakter,index,x=1,y,indexAwl=0,indexLast=157;
            pjgKarakter=psn.length();
            System.out.println("\\nKarakter"+pjgKarakter);
            if(pjgKarakter<=160)
            {
                prosesKirimSms(v.get(i).toString(), psn);
            }
            else
            {
                index=pjgKarakter;
                while(index>=160)
                {
                    index=pjgKarakter-160;
                    System.out.println("\\nIndex"+index);
                    x++;
                    pjgKarakter=index;
                }
                y=x-1;
                pecah=psn.toString().substring(indexAwl,indexLast);
                System.out.println("\\nPecah"+pecah);
                for(int z=1;z<=x;z++)

```

```

public void cekSMSMasuk(String nohp,String psn) {
    psn=psn.trim().replaceAll("","");
    Modul.Pelanggan plg = new Modul.Pelanggan();
    simpanInBox(nohp,psn);

    // Menulis status pesan Tebel KIRIM menjadi "Telah Diproses"
    tulisStatusData(nohp, "Telah Diproses");
    String balas="";

    Modul.CekPesanSMS cek=new Modul.CekPesanSMS(nohp,psn);
    plg.setNoHP(nohp);
    if(psn.toUpperCase().startsWith("REG")) {
        if(psn.toUpperCase().matches("REG (\\w|\\s)+#(\\d)+#(\\w|\\s)+"))
            balas=cek.Daftar();
        else {
            balas="Format Registrasi Salah:\\n"+
                "Yang Benar : REG<spasi>Nama#NoKtp#Alamat";
        }
    }
    else if(psn.toUpperCase().startsWith("HELP")) {
        if(psn.toUpperCase().matches("HELP")){
            balas=cek.help();
        }
        else {
            balas="Format Help Salah\\n"+
                "Yang Benar Ketik : HELP";
        }
    }
    else if(psn.toUpperCase().startsWith("UPDATE")) {
        if(psn.toUpperCase().matches("UPDATE (\\d)+"))
            balas=cek.UPDATE();
        else {
            balas="Format UPDATE Salah:\\n"+
                "Yang Benar : UPDATE<spasi>No Ktp";
        }
    }
}

public void Broadcast(String psn) {
    java.util.Vector v= getDataBroadcast();
    if(v != null) {
        for(int i=0;i<v.size();i++) {
            String temp=null,pecah=null;
            int pjgKarakter,index,x=1,y,indexAwl=0,indexLast=157;
            pjgKarakter=psn.length();
            System.out.println("\\nKarakter"+pjgKarakter);
            if(pjgKarakter<=160)
            {
                prosesKirimSms(v.get(i).toString(), psn);
            }
        }
    }
    else
    {
        index=pjgKarakter;
        while(index>=160)
        {
            index=pjgKarakter-160;
            System.out.println("\\nIndex"+index);
            x++;
            pjgKarakter=index;
        }
        y=x-1;
        pecah=psn.toString().substring(indexAwl,indexLast);
        System.out.println("\\nPecah"+pecah);
        for(int z=1;z<=x;z++)
    }
}

```

## 8. Scrpit Form Menu Pimpinan

```
public class pimpinan extends javax.swing.JInternalFrame {

    /** Creates new form pimpinan */
    public pimpinan() {
        initComponents();

        txtnohp.setDocument(new Modul.TextLimit(20,Modul.TextLimit.HURUF_KAPITAL));
        txtnm_pim.setDocument(new Modul.TextLimit(35,Modul.TextLimit.HURUF_KAPITAL));
        tabel(tb, selectAll);
        this.setVisible(true);
    }
};

jScrollPane1.setViewportViewView(tb);

getContentPane().add(jScrollPane1);
jScrollPane1.setBounds(10, 320, 580, 100);

jPanel2.setBackground(new java.awt.Color(51, 51, 255));
jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(""));
jLabel4.setText("No Handphone");

jLabel2.setText("Nama Pimpinan");

org.jdesktop.layout.GroupLayout jPanel2Layout = new org.jdesktop.layout.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(org.jdesktop.layout.GroupLayout.LEADING)
        .add(jPanel2Layout.createSequentialGroup()
            .add(158, 158, 158)
            .add(jPanel2Layout.createParallelGroup(org.jdesktop.layout.GroupLayout.LEADING)
                .add(jLabel2)
                .add(jLabel4, org.jdesktop.layout.GroupLayout.PREFERRED_SIZE, 107,
org.jdesktop.layout.GroupLayout.PREFERRED_SIZE))
            .add(15, 15, 15)
            .add(jPanel2Layout.createParallelGroup(org.jdesktop.layout.GroupLayout.LEADING, false)
                .add(txtnm_pim)
                .add(txtnohp, org.jdesktop.layout.GroupLayout.DEFAULT_SIZE, 177, Short.MAX_VALUE))
            .addContainerGap(107, Short.MAX_VALUE))
        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(org.jdesktop.layout.GroupLayout.LEADING)
        .add(jPanel2Layout.createSequentialGroup()
            .add(jPanel2Layout.createParallelGroup(org.jdesktop.layout.GroupLayout.BASELINE)
                .add(jLabel4)
                .add(txtnohp, org.jdesktop.layout.GroupLayout.PREFERRED_SIZE,
org.jdesktop.layout.GroupLayout.DEFAULT_SIZE, org.jdesktop.layout.GroupLayout.PREFERRED_SIZE))
            .add(10, 10, 10)
            .add(jPanel2Layout.createParallelGroup(org.jdesktop.layout.GroupLayout.BASELINE)
                .add(jLabel2)
                .add(txtnm_pim, org.jdesktop.layout.GroupLayout.PREFERRED_SIZE,
org.jdesktop.layout.GroupLayout.DEFAULT_SIZE, org.jdesktop.layout.GroupLayout.PREFERRED_SIZE))
            .addContainerGap(org.jdesktop.layout.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
};
```

```

private void tabel(javax.swing.JTable Tabel, String Query){
    try {
        tbm=new Modul.TabelMode(selectAll);
        tb.setModel(tbm);
        tbm.setQuery(Query);
        ProtekBTN(false);
        ProteksiTxt(false);
    } catch(Exception e) {}
    if(Tabel.getRowCount() != 0) {
        Tabel.setRowSelectionInterval(0,0);
        TbSelected();
        btnHapus.setEnabled(true);
        btnUbah.setEnabled(true);
    }else{
        ProtekBTN(false);
        ProteksiTxt(false);
        Bersih();
    }
    Modul.Koneksi.atuUkuranTabel(Tabel,lebar);
}
private void Cari(){
    sql = "select * from pimpinan where "+cmbcari.getSelectedItem()+" like '%" +txtcari.getText()+"%'";
    tabel(tb, sql);
}

private void TbSelected() {
    int index = tb.getSelectedRow();
    if(index != -1) {
        txtnohp.setText(tb.getValueAt(index,0).toString());
        txtnm_pim.setText(tb.getValueAt(index,1).toString());

        txtnohp.getText();
    }
}
private void ProteksiTxt(boolean b) {
    txtnohp.setEditable(b);
    txtnm_pim.setEditable(b);
}
private void ProtekBTN(boolean b) {
    btnHapus.setEnabled(b);
    btnSimpan.setEnabled(b);
    btnUbah.setEnabled(b);
}

private void Ubah() {
    if(btnUbah.getToolTipText().equals("Ubah")) {
        btnUbah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/keluar.gif")));
        btnUbah.setToolTipText("Batal");
        ProteksiTxt(true);
        btnTambah.setEnabled(false);
        btnHapus.setEnabled(false);
        btnSimpan.setEnabled(true);
        txtnohp.requestFocus();
    } else {
        btnUbah.setIcon(new javax.swing.ImageIcon(getClass().getResource("/gambar/edit.gif")));
        btnUbah.setToolTipText("Ubah");
        ProteksiTxt(false);
        btnSimpan.setEnabled(false);
        btnTambah.setEnabled(true);
        btnHapus.setEnabled(true);
    }
}
}
}

```

## 9. Scrpit Form Menu Inbox

```
package form;

import java.sql.*;
import javax.swing.table.DefaultTableModel;

public class inbox extends javax.swing.JPanel {

    /** Creates new form inbox */
    public inbox() {
        initComponents();
        ref();
        this.setVisible(true);
    }

    private void btnRefActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_btnRefActionPerformed
        ref();
    } //GEN-LAST:event_btnRefActionPerformed

    DefaultTableModel tabModeterima;
    DefaultTableModel tabModekirim;
    Object[] row={"Id","No Hp","Pesan","Tanggal","Waktu","Status"};
    private int[] lebar={40,120,343,85,85,100};

    private void ref(){
        try {
            tabModeterima = new DefaultTableModel(null, row);
            tabModekirim = new DefaultTableModel(null, row);
            tb.setModel(tabModeterima);
            Modul.Koneksi.atUkuranTabel(tb, lebar);
            psnMasuk(
        }
    }
    public void psnMasuk(){
        try {
            Connection kn=Modul.Koneksi.bukaKoneksi();
            String sql = "Select * from terima order by Id ";

            Statement st= kn.createStatement();
            ResultSet rs = st.executeQuery(sql);

            while( rs.next() ){
                String Id = rs.getString("Id");
                String noHp = rs.getString("No_Hp");
                String Pes = rs.getString("Pesan");
                String date = rs.getString("Date");
                String time = rs.getString("time");
                String Status_Rec = rs.getString("Status");
                String[] data = {Id,noHp,Pes,date,time,Status_Rec};
                tabModeterima.addRow(data);
            }
        } catch (Exception e) {}
    }
    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton btnRef;
    private javax.swing.JScrollPane js;
    private javax.swing.JTable tb;
}
}
```

## 10. Scrpit Form Menu Outbox

```
package form;
import java.sql.*;
import javax.swing.table.DefaultTableModel;

public class outbox extends javax.swing.JPanel {

    /** Creates new form outbox */
    public outbox() {
        initComponents();
        ref();
        this.setVisible(true);
    }
    private void btnRefActionPerformed(java.awt.event.ActionEvent evt) {GEN-
FIRST:event_btnRefActionPerformed
ref();
} //GEN-LAST:event_btnRefActionPerformed

    DefaultTableModel tabModeterima;
    DefaultTableModel tabModekirim;
    Object[] row={"Id","No Hp","Pesan","Tanggal","Waktu","Status"};
    private int[] lebar={40,120,343,85,85,100};

    private void ref(){
        try {
            tabModeterima = new DefaultTableModel(null, row);
            tabModekirim = new DefaultTableModel(null, row);
            tb.setModel(tabModeterima);
            Modul.Koneksi.aturUkuranTabel(tb, lebar);
            psnMasuk();
        } catch (Exception e) {
            javax.swing.JOptionPane.showMessageDialog(null, e);
        }
    }
    public void psnMasuk(){
        try {
            Connection kn=Modul.Koneksi.bukaKoneksi();
            String sql = "Select * from kirim order by Id ";

            Statement st= kn.createStatement();
            ResultSet rs = st.executeQuery(sql);

            while( rs.next() ){
                String Id = rs.getString("Id");
                String noHp = rs.getString("No_Hp");
                String Pes = rs.getString("Pesan");
                String date = rs.getString("Date");
                String time = rs.getString("time");
                String Status_Rec = rs.getString("Status");
                String[] data = {Id,noHp,Pes,date,time,Status_Rec};
                tabModeterima.addRow(data);
            }

        } catch (Exception e) {}
    }

    private javax.swing.JButton btnRef;
    private javax.swing.JScrollPane js;
    private javax.swing.JTable tb
}
```

## 11. Scrpit Form Menu Saran

```
package form;
import java.sql.*;
import javax.swing.table.DefaultTableModel;

public class saran extends javax.swing.JPanel {

    /** Creates new form saran */
    public saran() {
        initComponents();
        ref();
        this.setVisible(true);
    }
    private void ref(){
        try {
            tabModeterima = new DefaultTableModel(null, row);
            tabModekirim = new DefaultTableModel(null, row);
            tb.setModel(tabModeterima);
            Modul.Koneksi.atuUkuranTabel(tb, lebar);
            psnMasuk();
        } catch (Exception e) {
            javax.swing.JOptionPane.showMessageDialog(null, e); }
    }
    public void psnMasuk(){
        try {
            Connection kn=Modul.Koneksi.bukaKoneksi();
            String sql = "Select * from saran order by nosaran ";

            Statement st= kn.createStatement();
            ResultSet rs = st.executeQuery(sql);

            while( rs.next() ){
                String Id = rs.getString("nosaran");
                String noHp = rs.getString("nohp");
                String Pes = rs.getString("isisaran");
                String date = rs.getString("tanggal");
                String[] data = {Id,noHp,Pes,date};
                tabModeterima.addRow(data);
            }

        } catch (Exception e) {}
    }

    private javax.swing.JButton jButton1;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable tb;

}
```

## 12. Scrpit Modul Barang

```
package Modul;
import java.sql.*;
public class barang {
    public String kd_brg;
    private String nm_brg,harga,stock_brg;
    public barang() {
    }
    public void setKodeBarang(String kd_brg) {
        this.kd_brg=kd_brg.replaceAll("","");
    }
    public void setNamaBarang(String nm_brg) {
        this.nm_brg=nm_brg.replaceAll("","");
    }
    public void setHarga(String harga) {
        this.harga=harga.replaceAll("","");
    }
    public void setStockBarang(String stock_brg) {
        this.stock_brg=stock_brg.replaceAll("","");
    }
}
public String AllBrg() {
    String data="";
    boolean flag=false;
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="select Nm_brg,hrg_brg,stok_brg from barang where kd_brg='"+kd_brg+"'";
        ResultSet rs=kn.createStatement().executeQuery(sql);
        while(rs.next()) {
            data+=" Nama Barang : "+rs.getString("Nm_brg")+"\n"+
                "Harga : Rp."+rs.getString("hrg_brg")+"\n"+
                "Stock:"+rs.getString("stok_brg")+"\n";
            flag=true;
        } catch(Exception e) {
            javax.swing.JOptionPane.showMessageDialog(null,e);
            return null;
        }
    }
}
public boolean isBrg() {
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="select * from barang where kdbrg='"+kd_brg+"'";
        ResultSet rs=kn.createStatement().executeQuery(sql);
        if(rs.next()) {
            kn.close();
            return true;
        }
        else {
            kn.close();
            return false;
        }
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return false;
    }
}
```

```

return data;
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return null;
    }
}
public String[] getAllKodeBrg() {
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="select kdbrg from barang";
        ResultSet rs=kn.createStatement().executeQuery(sql);
        rs.last();
        int baris=rs.getRow(),
            i=0;
        String data[]=new String[baris];
        rs.beforeFirst();
        while(rs.next()) {
            data[i]=rs.getString("kdbrg");
            i++;
        }
        kn.close();
        return data;
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return null;
    }
}
public static String[][] getDataBrg() {
    String[][] data=null;
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="select * from barang";
        ResultSet rs=kn.createStatement().executeQuery(sql);
        rs.last();
        data=new String[rs.getRow()][4];
        rs.beforeFirst();
        int i=0;
        while(rs.next()) {
            data[i][0]=rs.getString("kdbrg");
            data[i][1]=rs.getString("nmbrg");
            data[i][2]=rs.getString("harga");
            data[i][3]=rs.getString("stockbrg");
            i++;
        }
        kn.close();
        return data;
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return null;
    }
}
}
}

```

### 13. Scrpit Modul Pelanggan

```
package Modul;
import java.sql.*;
public class Pelanggan {
    private String nohp,nama,alamat,ktp;
    public Pelanggan() {
    }
public boolean isPelanggan() {
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="select * from pelanggan where nohp='"+nohp+"'";
        ResultSet rs=kn.createStatement().executeQuery(sql);
        if(rs.next()) {
            kn.close();
            return true;
        }
        else {
            kn.close();
            return false;
        }
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return false;
    }
}
//ngecek nomor udah ada apa belum
public boolean isPemimpin() {
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="select * from pimpinan where nohp='"+nohp+"'";
        ResultSet rs=kn.createStatement().executeQuery(sql);
        if(rs.next()) {
            kn.close();
            return true;
        }
        else {
            kn.close();
            return false;
        }
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return false;
    }
}
} catch(Exception e) {
    javax.swing.JOptionPane.showMessageDialog(null,e);
    return null;
}
}
```

```

public static String[] getAllPelanggan() {
    String[] data=null;
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="select nohp from pelanggan";
        ResultSet rs=kn.createStatement().executeQuery(sql);
        rs.last();
        data=new String[rs.getRow()];
        rs.beforeFirst();
        int i=0;
        while(rs.next()) {
            data[i]=rs.getString("nohp");
            i++;
        }
        kn.close();
        return data;
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return null;
    }
}

public static String[][] getDataPelanggan() {
    String[][] data=null;
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="select * from pelanggan";
        ResultSet rs=kn.createStatement().executeQuery(sql);
        rs.last();
        data=new String[rs.getRow()][3];
        rs.beforeFirst();
        int i=0;
        while(rs.next()) {
            data[i][0]=rs.getString("nohp");
            data[i][1]=rs.getString("nama");
            data[i][2]=rs.getString("noktp");
            data[i][3]=rs.getString("alamat");
            i++;
        }
        kn.close();
        return data;
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return null;
    }
}
}

```

## 14. Scrpit Modul Pesanan

```
package Modul;
import java.sql.*;
public class pesanan {
    private String kd_psn,nohp,tgl_psn,alamat,kd_barang,hrg_psn,jum_psn,status;
public String getTgl() {
    return new java.text.SimpleDateFormat("yyyy-MM-dd").format(
        new java.util.Date());
}
public String getJam() {
    return new java.text.SimpleDateFormat("hh:mm:ss").format(
        new java.util.Date());
}
public int Simpan() {
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="insert into pesanan (nopsn,nohp,tgl,jam,alamat,status)values('"+kd_psn+"','"+nohp+"','"+
        tgl_psn+"','"+jam+"','"+alamat+"','"+status+"')";
        int i=kn.createStatement().executeUpdate(sql);
        kn.close();
        return i;
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return -1;
    }
}
public int SimpanIsi() {
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="insert into isi (nopsn,kd_brg,jumlah)values('"+kd_psn+"','"+kd_barang+"','"+jum_psn+"')";
        int i=kn.createStatement().executeUpdate(sql);
        kn.close();
        return i;
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return -1;
    }
}
public boolean isPelangganYgPesan() {
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="select nopsn from pesanan where nopsn='"+kd_psn+
        "' and nohp='"+nohp+"'";
        ResultSet rs=kn.createStatement().executeQuery(sql);
        if(rs.next()) {
            kn.close();
            return true;
        }
        else {
            kn.close();
            return false;
        }
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return false;
    }
}
}
```

## 15. Scrpit Modul Cek Pesan

```
package Modul;
import java.sql.*;
public class CekPesanSMS {
    private String nohp,pesan;

    public CekPesanSMS(String nohp,String pesan) {
        this.nohp=nohp.trim();
        this.pesan=pesan.trim();
    }
    public String Pesan() {
        java.util.Vector vb=new java.util.Vector(), vk=new java.util.Vector();
        plg.setNoHP(nohp);

        String p=pesan.substring(6,pesan.length());
        //Split data berdasarkan Koma(,)
        String _data[]=p.split("#");

        if(_data.length!=2){
            return "Format Pesan anda salah";
        }
        String [] data = _data[0].split(",");

        String kd_psn=psn.getKdPsn();
        String tgl_psn=psn.getTgl();
        String jam=psn.getJam();
        psn.setNoHP(nohp);
        int totalharga=0;

        for(int i=0;i<data.length;i++) {
            //Split Data berdasarkan Spasi
            String pesan[]=data[i].split(" ");

            //barang.setNamaBarang(pesan[0]);
            barang.setKodeBarang(pesan[0]);

            //Mengecek Kode Barang
            if(!barang.isBrgBerdasarkanNama()) {
                return "Maaf Kode Barang : "+pesan[0]+" Tidak Ada";
            }

            //jika pesanannya kosong
            if(isEmpty(Integer.parseInt(pesan[1]))){
                return "Maaf Jumlah Kode Barang : "+pesan[0]+" Tidak boleh kosong";
            }
        }
        psn.setKodePesan(kd_psn);
        psn.setHargaPesan(String.valueOf(totalharga));
        psn.setStatus("1");
        psn.setNoHP(nohp);
        psn.setTanggal(tgl_psn);
        psn.setJam(jam);
        psn.setAlamat(alamat);

        // Simpan Ke Tabel Pesanan
        psn.Simpan();

        return "Pemesanan Berhasil Kode Pesan : "+kd_psn+
            "\nHarga : Rp."+totalharga+
            "\nBarang akan dikirim 24 jam dr skrng."+
            "Anda dpt batalkan pesanan kurang dr 5 Menit\nBATAL<spc>no pesanan";
    }
}
```

```

public String laporan(){
    Modul.Pelanggan plg = new Modul.Pelanggan();
    Modul.laporan lapw=new Modul.laporan();
    String dd=pesan.substring(pesan.indexOf("")+1);
    plg.setNoHP(nohp);
    if(!plg.isPemimpin()){
        return "Maaf Anda Tidak Terdaftar Menjadi Pemimpin.";
    }
    else{
        return lapw.metodelaporan(nohp,dd);
    }
}

private int jamSekarang() {
    String jam[]=new java.text.SimpleDateFormat("hh:mm:ss").format(
        new java.util.Date()).split(":");
    int j=Integer.parseInt(jam[0].trim()),
        m=Integer.parseInt(jam[1].trim()),
        s=Integer.parseInt(jam[2].trim());
    int waktu=(j * 360) + (m * 60) + s;
    javax.swing.JOptionPane.showMessageDialog(null,j+": "+m+": "+s);

    return waktu;
}

private String balikTanggal(String tgl) {
    String data[]=tgl.split("-");
    return data[2].trim()+"-"+data[1].trim()+"-"+data[0].trim();
}

private boolean isEmpty(int jumlah){
    if(jumlah<=0){
        return true;
    }else{
        return false;
    }
}
}

```

## 16. Scrpit Modul Tex Limit

```
package Modul;
import javax.swing.text.*;
import java.awt.*;
import javax.swing.*;
import java.awt.event.*;

//import javax.swing.text.*;
public class TextLimit extends PlainDocument {
    private int limit=0;
    // optional uppercase conversion
    private boolean toUppercase = false;
    private String toDesimal="";

    public static boolean HURUF_KAPITAL=true;
    public static String DESIMAL="DESIMAL";

    if (str == null) return;

        if(this.limit == 0) {
            if(toUppercase)
                str = str.toUpperCase();
            if(toDesimal.equals(TextLimit.DESIMAL)) {
                if(!Character.isDigit(str.charAt(0)))
                    return;
            }
            super.insertString(offset, str, attr);
        }
        else if((getLength() + str.length()) <= limit) {
            if (toUppercase)
                str = str.toUpperCase();
            if(toDesimal.equals(TextLimit.DESIMAL)) {
                if(!Character.isDigit(str.charAt(0)))
                    return;
            }
            super.insertString(offset, str, attr);
        }
    }
}
```

## 17. Scrpit Modul Kirim

```
package Modul;
import java.sql.*;
public class kirim {
    private String kd_barang,kd_psn,hrg_psn,jum_psn,status;
    public kirim() {
    }
public static int batalSemua(String kd_psn) {
    ResultSet rs = null;int j = 0;
    String [] kd_brg;
    Integer [] jumlah;
    int stock;
    try {
        Connection kn=Koneksi.bukaKoneksi();
        String sql="update pesanan set status='0' "+
            "where nopsn='"+kd_psn+"'";
        int i=kn.createStatement().executeUpdate(sql);
        sql = "SELECT COUNT(*) as jml FROM isi WHERE nopsn='"+kd_psn+"'";
        rs = kn.createStatement().executeQuery(sql);
        rs.next();
        j = Integer.parseInt(rs.getString("jml"));
        kd_brg = new String[j];
        jumlah = new Integer[j];
        sql="select kd_brg,jumlah from isi where nopsn='"+kd_psn+"'";
        rs = kn.createStatement().executeQuery(sql);
        int a = 0;
        while(rs.next()){
            kd_brg[a] = rs.getString("kd_brg");
            jumlah[a] = Integer.parseInt(rs.getString("jumlah"));
            a++;
        }
    }
    kn.close();
    return i;
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return -1;
    }
    }
}
```

## 18. Scrpit Modul Koneksi

```
package Modul;
import java.sql.*;
import javax.swing.JDesktopPane;
public class Koneksi {
    public static final java.awt.Cursor KURSOR=new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR);
    private static final String
        dr="com.mysql.jdbc.Driver",
        db="jdbc:mysql://localhost/gramedia",
        user="root",
        pass="";
    public static void buatTabel(javax.swing.JTable TABLE, String QUERY){
        Modul.TabelMode tbm;
        try {
            tbm=new Modul.TabelMode(QUERY);
            TABLE.setModel(tbm);
        } catch(Exception e) { }
    }
    public static void aturUkuranTabel(javax.swing.JTable tabel,int[] ukuran) {
        tabel.setAutoResizeMode(tabel.AUTO_RESIZE_OFF);
        int kolom=tabel.getColumnCount();
        for(int i=0;i < kolom;i++) {
            javax.swing.table.TableColumn tbc=tabel.getColumnModel().getColumn(i);
            tbc.setPreferredWidth(ukuran[i]);
            tabel.setRowHeight(18);
        }
    }
}
```

## 19. Scrpit Modul Laporan

```
package Modul;
import java.sql.*;
import java.text.SimpleDateFormat;
import java.util.Date;
public class laporan {
    private String nohp,isi,tgl;

    public void setNoHP(String nohp) {
        if(nohp.startsWith("0")) {
            this.nohp="62"+nohp.substring(1).replaceAll("","");
        }
        else if(!nohp.startsWith("62")) {
            this.nohp="62"+nohp.replaceAll("","");
        }
        else {
            this.nohp=nohp.replaceAll("","");
        }
    }
    String [] tgl4 = tgl[0].split("-");
    String [] tgl5 = tgl[1].split("-");
    tgl1 = tgl4[2]+"-"+tgl4[1]+"-"+tgl4[0];
    tgl2 = tgl5[2]+"-"+tgl5[1]+"-"+tgl5[0];
    sql="select SUM((a.jumlah*b.hrg_brg))Total";
    sql=sql+" from isi a inner join barang b ON";
    sql=sql+" a.kd_brg = b.kd_brg inner join pesanan c ON a.nopsn=c.nopsn";
    sql=sql+" where c.tgl between '"+tgl1+"' and '"+tgl2+"' && status ='1' group by c.nohp";

    System.out.println(sql);
    try {
        Connection kn=Koneksi.bukaKoneksi();
        Statement stt= kn.createStatement();
        ResultSet rs = stt.executeQuery(sql);
        double total=0;
        while(rs.next()) {
            total+=rs.getDouble("Total");
            laporan = "Pendapatan Sebesar = Rp."+
                new java.text.DecimalFormat("###,###,###,###,###,###,###").format(total);
            back = laporan;
        }
        kn.close();

    } catch (Exception e) {
        System.err.println("error : "+e.getMessage());
        back = "Error";
    }
}
return back;
}
```

## 20. Scrpit Modul Saran

```
package Modul;
import java.sql.*;
import java.text.SimpleDateFormat;
import java.util.Date;
public class saran {
    private String nohp,isi,tgl;

    public void setNoHP(String hp) {
        this.nohp=hp.replaceAll("","");
    }
    public void setTanggal(String tgl) {
        this.tgl=tgl.replaceAll("","");
    }
    Connection kn=Koneksi.bukaKoneksi();
    Statement stt= kn.createStatement();
    String SQL = "INSERT INTO saran (nohp, isisaran, tanggal) VALUES ('"+nohpKu+"','"+isi+"','"+new
SimpleDateFormat("yyyy-MM-d").format(new Date())+"')";
    System.out.println(SQL);
    stt.executeUpdate(SQL);
    back = "Saran Anda telah kami terima, terima kasih atas saran anda";
    stt.close();
    kn.close();
}
catch(Exception exc){
    System.err.println("Terjadi kesalahan ketika simpan ke tabel pelanggan "+exc.getMessage());
    back = "Maaf, proses gagal. Coba beberapa saat lagi";
}

return back;
}
}
```

## 21. Scrpit Modul Query

```
package Modul;
import java.sql.*;
import java.util.*;
import javax.swing.*;
public class Query {
    public static void koneksi(String QUERY){
        try {
            Connection kn = Koneksi.bukaKoneksi();
            kn.createStatement().executeUpdate(QUERY);
            kn.close();
        } catch (Exception ex) {
            ex.printStackTrace();
        }
    }
    public static void UbahDataReg(String TABLE, String FIELD, String[] ID, Object[] IDVALUE){
        try {
            int index;
            String Text = "";
            for(index = 0; index < IDVALUE.length; index++)
            {
                if(index < IDVALUE.length -1)
                    Text += ID[index] + " = " + IDVALUE[index] + " And ";
                else
                    Text += ID[index] + " = " + IDVALUE[index];
            }
            String sql="Update " + TABLE + " Set " + FIELD + " Where " + Text;
            //javax.swing.JOptionPane.showMessageDialog(null, sql);
            koneksi(sql);
        } catch(Exception e) {
            javax.swing.JOptionPane.showMessageDialog(null,e);
        }
    }
    public static boolean cekDataReg(String TABEL, String FIELD, String[] ID, Object[] IDVALUE) {
        Connection kn=Koneksi.bukaKoneksi();
        ResultSet rs=kn.createStatement().executeQuery(sql);
        if(rs.next()) {
            kn.close();
            return true;
        }
        else {
            kn.close();
            return false;
        }
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return false;
    }
}
    public static boolean cekDataPesan(String TABEL, String FIELD, String ID, String IDVALUE, String STATUS) {
        String sql="select " + FIELD + " from " + TABEL + " where " + ID + " = " + IDVALUE + " And Status=" + STATUS
        +"";
        try {
            Connection kn=Koneksi.bukaKoneksi();
            ResultSet rs=kn.createStatement().executeQuery(sql);
            if(rs.next()) {
                kn.close();
                return true;
            }
        } catch(Exception e) {
            javax.swing.JOptionPane.showMessageDialog(null,e);
            return false;
        }
    }
}
```

```

public boolean SamainField(String TABEL, String FIELD1, String FIELD2, String ID, String IDVALUE) {
    try {
        Connection kn=Modul.Koneksi.bukaKoneksi();
        String sql="select "+FIELD1+", "+FIELD2+" from "+TABEL+" where "+ID+"='"+IDVALUE+"'";
        ResultSet rs=kn.createStatement().executeQuery(sql);
        rs.next();
        if(samaField1.equals(rs.getString(FIELD1)) && samaField2.equals(rs.getString(FIELD2))) {
            kn.close();
            return true;
        }
        else {
            kn.close();
            return false;
        }
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return false;
    }
}

public static java.util.Vector getDataBroadcastRegistrasi(){
    try {
        Connection kn=Modul.Koneksi.bukaKoneksi();
        String sql="Select distinct No_Hp from registrasi where Status = 'On' order by No_Hp";
        Statement st= kn.createStatement();
        ResultSet set=st.executeQuery(sql);
        java.util.Vector v=new java.util.Vector();
        while(set.next()) {
            v.add(set.getObject("No_Hp"));
        }
        kn.close();
        return v;
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return null;
    }
}

public static java.util.Vector getDataBroadcastSiswa(){
    try {
        Connection kn=Modul.Koneksi.bukaKoneksi();
        String sql="Select nohp from siswa where Status = 'On' order by nohp";
        Statement st= kn.createStatement();
        ResultSet set=st.executeQuery(sql);
        java.util.Vector v=new java.util.Vector();
        while(set.next()) {
            v.add(set.getObject("nohp"));
        }
        kn.close();
        return v;
    } catch(Exception e) {
        javax.swing.JOptionPane.showMessageDialog(null,e);
        return null;
    }
}
}

```

## 22. Scrpit Modul Tabel Mode

```
package Modul;
import java.sql.*;
import java.util.*;
import javax.swing.table.*;
public class TabelMode extends AbstractTableModel {
    private Connection connection;
    private Statement statement;
    private ResultSet resultSet;
    private ResultSetMetaData metaData;
    private int numberOfRows;
    // keep track of database connection status
    private boolean connectedToDatabase = false;
    public void setQuery( String query )
        throws SQLException, IllegalStateException
    {
        // ensure database connection is available
        if ( !connectedToDatabase )
            throw new IllegalStateException( "Not Connected to Database" );

        // specify query and execute it
        resultSet = statement.executeQuery( query );

        // obtain meta data for ResultSet
        metaData = resultSet.getMetaData();

        // determine number of rows in ResultSet
        resultSet.last(); // move to last row
        numberOfRows = resultSet.getRow(); // get row number

        // notify JTable that model has changed
        fireTableStructureChanged();
    }

    // close Statement and Connection
    public void disconnectFromDatabase()
    {
        // close Statement and Connection
        try {
            statement.close();
            connection.close();
        }

        // catch SQLExceptions and print error message
        catch ( SQLException sqlException ) {
            sqlException.printStackTrace();
        }

        // update database connection status
        finally {
            connectedToDatabase = false;
        }
    }
} // end class ResultSetTableModel
```