

## FORMULIR

### SURAT PERSETUJUAN SIDANG SKRIPSI / TUGAS AKHIR

ditandatangani tangan dibawah ini :

Nama : MUHAMMAD KAMIL IRSYAD  
NIM : 131050073  
Judul Studi : SISTEM INFORMASI  
Judul Skripsi / Tugas Akhir : RANCANG BANGUN SISTEM INFORMASI PRESENSI DAN PEMBAYARAN PADA LEMBAGA BIMBINGAN BELAJAR AL-GOLAM BERBASIS RADIO FREQUENCY IDENTIFICATION (RFID) DAN SMS GATEWAY

Menyatakan menyelesaikan Penulisan Skripsi / Tugas Akhir dan diperkenankan untuk mengajukan persyaratan

Bandar Lampung, 29 / 08 / 2017.

Disetujui,  
Ketua Pembimbing

Mengetahui,  
Ketua Program Studi... SISTEM INFORMASI

.....  
S.Kom., M.T.I.)

037 1101



.....  
S.kom., M.T.I.)

NIM 00440702

Daftar Sidang :

- Surat Persetujuan Sidang
- Surat Bebas Keuangan
- Surat Bebas Perpustakaan
- Form Bimbingan yang telah disetujui oleh Pembimbing dan ditanda tangani Ketua Jurusan
- Kartu Seminar dan Notulen Seminar
- Slip Bayaran Skripsi dan perpanjangan bagi mahasiswa yang perpanjangan SK Skripsi
- Photo copy Transkrip Nilai dari PTS sebelumnya, Hasil Konversi PTS baru, KTP, dan Kartu Keluarga (bagi Mahasiswa Konversi)
- Rangkuman Nilai Asli
- CD berisi (Program, TA/Skripsi, Materi Sidang dalam bentuk PowerPoint/Slide)
- Photo copy KRS Semester Terakhir
- Photo copy Ijazah SLTA / Photo Copy Ijazah D3 (Bagi lulusan Diploma)
- Photo copy slip pembayaran sidang (bagi yang mengulang), photo copy slip TA/Skripsi (bagi yang perpanjangan)
- Photo copy SK Pembimbing Penulisan Tugas Akhir/Skripsi dan SK Perpanjang \*)
- Photo copy Penulisan Tugas Akhir (softcover, 3 eks)
- Photo copy Sertifikat Sertifikasi Internasional (HTML5 / MOS / FORESEC / DBFA / ACA)
- Photo Hitam putih, 3 x 4 (6 lbr), kebaya(perempuan) atau Jas (Laki-laki) untuk Ijazah & Transkrip Nilai (kertas Dop bukan Printing)
- Semua berkas dimasukkan ke.dalam stofmap "Series : 5002" warna biru (Ilmu Komputer)
- Stofmap "Series : 5002" warna kuning (Bisnis & Ekonomi)
- Map diberi NPM, Nama & No. Telepon
- \*) bagi yang perpanjang

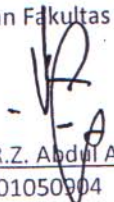




**SURAT KEPUTUSAN**  
**REKTOR IBI DARMAJAYA**  
**NOMOR : SK.0265/DMJ/DFIK/BAAK/V-17**  
**Tentang**  
**Dosen Pembimbing Skripsi**  
**Program Studi S1 Sistem Informasi**  
**REKTOR IBI DARMAJAYA**

- Memperhatikan : 1. Bahwa dalam rangka usaha peningkatan mutu dan peranan IBI Darmajaya dalam melaksanakan Pendidikan Nasional perlu ditingkatkan kemampuan mahasiswa dalam **Skripsi**.
2. Laporan dan usulan Ketua Program Studi **S1 Sistem Informasi**.
- Menimbang : 1. Bahwa untuk mengefektifkan tenaga pengajar dalam Skripsi mahasiswa perlu ditetapkan **Dosen Pembimbing Skripsi**.
2. Bahwa untuk maksud tersebut dipandang perlu menerbitkan Surat Keputusan Rektor.
- Mengingat : 1. UU No.20 Tahun 2003 Tentang Sistem Pendidikan Nasional.
2. Peraturan Pemerintah No.60 Tahun 2010 tentang Pendidikan Sekolah Tinggi
3. Surat Keputusan Menteri Pendidikan Nasional Republik Indonesia No.165/D/0/2008 tertanggal 20 Agustus 2008 tentang Perubahan Status STMIK-STIE Darmajaya menjadi Informatics and Business Institute (IBI) Darmajaya
4. STATUTA IBI Darmajaya
5. Surat Ketua Yayasan Pendidikan Alfian Husin No. IM.003/YP-AH/X-08 tentang Persetujuan Perubahan Struktur Organisasi
6. Surat Keputusan Rektor 0383/DMJ/REK/X-08 tentang Struktur Organisasi.
- Menetapkan**
- Pertama : Mengangkat nama-nama seperti tersebut dalam lampiran Surat Keputusan ini sebagai Dosen Pembimbing Skripsi mahasiswa Program Studi S1 Sistem Informasi.
- Kedua : Pembimbing Skripsi berkewajiban melaksanakan tugasnya sesuai dengan jadwal yang telah ditetapkan.
- Ketiga : Pembimbing Skripsi yang ditunjuk akan diberikan honorarium yang besarnya sesuai dengan ketentuan peraturan dan norma penggajian dan honorarium IBI Darmajaya.
- Keempat : Surat Keputusan ini berlaku sejak tanggal ditetapkan dan apabila dikemudian hari terdapat kekeliruan dalam keputusan ini, maka keputusan ini akan ditinjau kembali.

Ditetapkan di : Bandar Lampung  
Pada tanggal : 22 Mei 2017  
a.n. Rektor IBI Darmajaya,  
Dekan Fakultas Ilmu Komputer

  
Dr. R.Z. Abdul Aziz, M.T.  
NIK.01050904

1. Kabiro. SDM
2. Ketua Jurusan S1 Sistem Informasi
3. Yang bersangkutan
4. Arsip



Lampiran : Surat Keputusan Rektor IBI Darmajaya  
Nomor : SK. 0265/DMJ/DFIK/BAAK/V-17  
Tanggal : 26 Juli 2017  
Perihal : Pembimbing Penulisan Skripsi  
Program Studi S1 Sistem Informasi

Judul Penulisan Skripsi & Dosen Pembimbing  
Program Studi Strata Satu (S1) Sistem Informasi

NO	NAMA	NPM	JUDUL	PEMBIMBING
1	Muhammad Kamil Irsyad	1311050073	Rancang Bangun Sistem Informasi Presensi Dan Pembayaran Pada Lembaga Bimbingan Belajar Al - Qolam Berbasis Radio Frequency Identification (RFID) Dan Sms Gateway	Indera, S.Kom., M.T.I

  
A.n. Rektor IBI Darmajaya  
Dekan Fakultas Ilmu Komputer  
*Sriyanto*  
Sriyanto, S.Kom., M.Mg  
NIK. 00210800

# LAMPIRAN

## RFID & SMS Gateway

```
/*
```

```
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```

```
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```

```
* and open the template in the editor.
```

```
*/
```

```
package vw;
```

```
import dbs.AngkatanDbs;
```

```
import itf.AngkatanItf;
```

```
import java.util.List;
```

```
import javax.swing.ImageIcon;
```

```
import javax.swing.JOptionPane;
```

```
import javax.swing.table.DefaultTableModel;
```

```
import javax.swing.table.TableColumn;
```

```
import mdl.AngkatanMdl;
```

```
/**
```

```
*
```

```
* @author darksky
```

```
*/
```

```
public class Angkatan extends javax.swing.JFrame {
```

```
    private DefaultTableModel dtm;
```

```
    private TableColumn clmn;
```

```
    private AngkatanItf itf;
```

```
private List<AngkatanMdl> mdl;

private String actReady, id;

/**
 * Creates new form Kelas
 */
public Angkatan() {
    initComponents();

    setLocationRelativeTo(null);

    dtm = new DefaultTableModel();

    itf = new AngkatanDbs();

    setClear();
    setLv();
    setLvDt();
}

private void actBtnAdd() {
    if(null != actReady) switch (actReady) {
        case "":
            setComp("readyAdd");
            setBtn("readyAdd");
            actReady = "add";
            break;
    }
}
```

```
default:  
    aU(actReady, lv.getSelectedRow());  
    break;  
}  
}
```

```
private void actBtnUpd() {  
    getLv();  
    setComp("readyUpdDel");  
    actReady = "updDel";  
}
```

```
private void actBtnDel() {  
    del();  
}
```

```
private void actBtnCnl() {  
    setClear();  
}
```

```
private void actBtnCls() {  
    dispose();  
}
```

```
private void actLvClicked() {  
    setBtn("readyUpdDel");  
}
```



```
private void setClear() {  
    tfTahun.setText("");  
    tfKelas.setText("");  
    tfJumlah.setText("");  
    actReady = "";  
    id = "";  
    setComp("");  
    setBtn("");  
    lv.getSelectionModel().clearSelection();  
}
```

```
private void setComp(String c) {  
    switch(c) {  
        case "readyAdd":  
            tfTahun.setEnabled(true);  
            rbSemesterGanjil.setEnabled(true);  
            rbSemesterGenap.setEnabled(true);  
            tfKelas.setEnabled(true);  
            tfJumlah.setEnabled(true);  
            break;  
        case "readyUpdDel":  
            tfTahun.setEnabled(true);  
            rbSemesterGanjil.setEnabled(true);  
            rbSemesterGenap.setEnabled(true);  
            tfKelas.setEnabled(true);  
            tfJumlah.setEnabled(true);  
            break;  
        default:
```

```
tfTahun.setEnabled(false);

rbSemesterGanjil.setEnabled(false);

rbSemesterGenap.setEnabled(false);

tfKelas.setEnabled(false);

tfJumlah.setEnabled(false);

break;
}
}

private void setBtn(String c) {
    switch(c) {
        case "readyAdd":
            btnAdd.setText("Simpan");
            btnUpd.setEnabled(false);
            btnDel.setEnabled(false);
            btnAdd.setIcon(new ImageIcon("src/assets/inbox.png"));
            break;
        case "readyUpdDel":
            btnAdd.setText("Simpan");
            btnUpd.setEnabled(true);
            btnDel.setEnabled(true);
            btnAdd.setIcon(new ImageIcon("src/assets/inbox.png"));
            break;
        default:
            btnAdd.setText("Tambah");
            btnUpd.setEnabled(false);
            btnDel.setEnabled(false);
            btnAdd.setIcon(new ImageIcon("src/assets/plus.png"));
    }
}
```

```
        break;
    }
}

private void setLv() {
    dtm.addColumn("KODE");
    dtm.addColumn("TAHUN");
    dtm.addColumn("SEMESTER");
    dtm.addColumn("KELAS");
    dtm.addColumn("JUMLAH BAYAR");
    lv.setModel(dtm);

    lv.setAutoResizeMode(javax.swing.JTable.AUTO_RESIZE_OFF);
    clmn = lv.getColumnModel().getColumn(0);
    clmn.setPreferredWidth(50);
    clmn = lv.getColumnModel().getColumn(1);
    clmn.setPreferredWidth(150);
    clmn = lv.getColumnModel().getColumn(2);
    clmn.setPreferredWidth(150);
    clmn = lv.getColumnModel().getColumn(3);
    clmn.setPreferredWidth(150);
    clmn = lv.getColumnModel().getColumn(4);
    clmn.setPreferredWidth(150);
    lv.setModel(dtm);
}

private void setLvDt() {
    mdl = itf.get("Like", "");
}
```

```

for(AngkatanMdl mdl : mdls) {
    dtm.addRow(new Object[] {
        mdl.getKdangkatan(),
        mdl.getTahun(),
        mdl.getSemester(),
        mdl.getKelas(),
        mdl.getJumlah()
    });
}
lv.setModel(dtm);
}

private void getLv() {
    int r = lv.getSelectedRow();
    id = mdls.get(r).getKdangkatan();
    tfTahun.setText(mdls.get(r).getTahun());
    if(mdls.get(r).getSemester().equals("Ganjil")) {
        rbSemesterGanjil.setSelected(true);
    } else if(mdls.get(r).getSemester().equals("Genap")) {
        rbSemesterGenap.setSelected(true);
    }
    tfKelas.setText(mdls.get(r).getKelas());
    tfJumlah.setText(mdls.get(r).getJumlah());
}

private AngkatanMdl setMdl() {
    AngkatanMdl mdl = new AngkatanMdl();
    mdl.setKdangkatan(id);
}

```

```

mdl.setTahun(tfTahun.getText());
if(rbSemesterGanjil.isSelected()) {
    mdl.setSemester("Ganjil");
} else if(rbSemesterGenap.isSelected()) {
    mdl.setSemester("Genap");
}
mdl.setKelas(tfKelas.getText());
mdl.setJumlah(tfJumlah.getText());
return mdl;
}

```

```

private void aU(String type, int rw) {
    AngkatanMdl mdl = setMdl();
    String cv = null;
    if(cv == null) {
        int i = 0;
        int r = -1;
        switch(type) {
            case "add" :
                i = itf.add(mdl);
                break;
            case "updDel" :
                r = rw;
                i = itf.upd(mdl);
                break;
        }
        if(i > 0) {
            if(r < 0) {

```

```

        mdl.setKdangkatan(Integer.toString(i));

        mdls.add(mdl);

        dtm.addRow(new Object[]{

            mdl.getKdangkatan(),

            mdl.getTahun(),

            mdl.getSemester(),

            mdl.getKelas(),

            mdl.getJumlah()

        });
    } else {

        mdls.set(r, mdl);

        dtm.setValueAt(mdl.getKdangkatan(), r, 0);

        dtm.setValueAt(mdl.getTahun(), r, 1);

        dtm.setValueAt(mdl.getSemester(), r, 2);

        dtm.setValueAt(mdl.getKelas(), r, 3);

        dtm.setValueAt(mdl.getJumlah(), r, 4);

    }

    setClear();

    JOptionPane.showMessageDialog(null, "Berhasil disimpan.", "Informasi",
    JOptionPane.INFORMATION_MESSAGE);

    } else JOptionPane.showMessageDialog(null, "Gagal disimpan.", "Informasi",
    JOptionPane.WARNING_MESSAGE);

    } else JOptionPane.showMessageDialog(null, "Gagal disimpan.", "Informasi",
    JOptionPane.WARNING_MESSAGE);

    }

private void del() {

    int r = lv.getSelectedRow();

    AngkatanMdl mdl = mdls.get(r);

    if(itf.del(mdl.getKdangkatan()) > 0) {

```

```
        mdl.remove(r);

        JOptionPane.showMessageDialog(null, "Berhasil dihapus.", "Informasi",
JOptionPane.INFORMATION_MESSAGE);

        setClear();

        } else JOptionPane.showMessageDialog(null, "Gagal dihapus.", "Informasi",
JOptionPane.WARNING_MESSAGE);

    }
```

## Coding Main

```
/*

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* and open the template in the editor.
*/

package vw;

import java.util.ArrayList;
import java.util.List;
import rpt.Rpt;

/**
 *
 * @author darksky
 */
public class Main extends javax.swing.JFrame {

    private Rpt rpt;

    /**
     * Creates new form Main
     */
}
```

```
*/  
  
public Main() {  
    initComponents();  
  
    setLocationRelativeTo(null);  
  
    rpt = new Rpt();  
}  
  
private void showF(String s) {  
    List l = new ArrayList();  
    switch(s) {  
        case "mdsiswa":  
            Siswa siswa = new Siswa();  
            siswa.setVisible(true);  
            break;  
        case "mdpelajaran":  
            Pelajaran pelajaran = new Pelajaran();  
            pelajaran.setVisible(true);  
            break;  
        case "mdangkatan":  
            Angkatan angkatan = new Angkatan();  
            angkatan.setVisible(true);  
            break;  
        case "dpresensi":  
            Presensi presensi = new Presensi();  
            presensi.setVisible(true);  
            break;
```



```

    case "dcicilan":
        Cicilan cicilan = new Cicilan();
        cicilan.setVisible(true);
        break;
    case "dsms":
        SMS sms = new SMS();
        sms.setVisible(true);
        break;
    case "lpresensi":
        rpt.showReport("presensi", 1);
        break;
    case "lcicilan":
        rpt.showReport("pembayaran", 1);
        break;
    case "lswa":
        rpt.showReport("siswa", 1);
        break;
}
}

/**
 * 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.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

```

```
jPanel1 = new javax.swing.JPanel();
jPanel3 = new javax.swing.JPanel();
jLabel2 = new javax.swing.JLabel();
jScrollPane1 = new javax.swing.JScrollPane();
jTextArea1 = new javax.swing.JTextArea();
jPanel4 = new javax.swing.JPanel();
jPanel5 = new javax.swing.JPanel();
jLabel3 = new javax.swing.JLabel();
jPanel6 = new javax.swing.JPanel();
btnMDSiswa = new javax.swing.JLabel();
btnMDPelajaran = new javax.swing.JLabel();
btnMDAngkatan = new javax.swing.JLabel();
jPanel7 = new javax.swing.JPanel();
jLabel6 = new javax.swing.JLabel();
jPanel8 = new javax.swing.JPanel();
btnDPresensi = new javax.swing.JLabel();
btnDCicilan = new javax.swing.JLabel();
btnDSMS = new javax.swing.JLabel();
jPanel9 = new javax.swing.JPanel();
jLabel9 = new javax.swing.JLabel();
jPanel10 = new javax.swing.JPanel();
btnLPresensi = new javax.swing.JLabel();
btnLCicilan = new javax.swing.JLabel();
btnLSiswa = new javax.swing.JLabel();
jPanel2 = new javax.swing.JPanel();
jLabel1 = new javax.swing.JLabel();
```

```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel3.setBackground(new java.awt.Color(57, 113, 177));

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/assets/Logo.png"))); //
NOI18N

jTextArea1.setEditable(false);

jTextArea1.setBackground(new java.awt.Color(57, 113, 177));

jTextArea1.setColumns(20);

jTextArea1.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N

jTextArea1.setForeground(new java.awt.Color(242, 241, 240));

jTextArea1.setLineWrap(true);

jTextArea1.setRows(5);

jTextArea1.setText("VISI\nBimbel Berprestasi dan Islami Mampu Menghantarkan Siswa ke
Jenjang Pendidikan lebih Tinggi.\n\nMISI\n1.Melaksanakan Bimbingan belajar dengan peningkatan
kemampuan penguasaan konsep dasar.\n2.Menyiapkan siswa untuk mampu berkompetisi pada
jenjang pendidikan lebih tinggi.\n3.Meningkatkan kompetensi dan kualifikasi
Guru.\n4.Menyelenggarakan kajian Pendidikan dan keIslaman.");

jTextArea1.setBorder(javax.swing.BorderFactory.createEmptyBorder(1, 1, 1, 1));

jScrollPane1.setViewportView(jTextArea1);

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(jLabel2, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 241, Short.MAX_VALUE)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addContainerGap())
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jLabel2, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 241, Short.MAX_VALUE)
                    )
                )
            )
        )
);

```

```
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 0,
Short.MAX_VALUE)

        .addContainerGap()

    );

jPanel3Layout.setVerticalGroup(

    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel3Layout.createSequentialGroup()

            .addContainerGap()

                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 214,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                        .addComponent(jScrollPane1)

                            .addContainerGap()

                                );

jPanel4.setBackground(new java.awt.Color(33, 33, 33));

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(

    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGap(0, 0, Short.MAX_VALUE)

    );

jPanel4Layout.setVerticalGroup(

    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGap(0, 38, Short.MAX_VALUE)

    );

jPanel5.setBackground(new java.awt.Color(49, 89, 135));
```

```
jLabel3.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel3.setForeground(new java.awt.Color(242, 241, 240));
jLabel3.setText("MASTER DATA");

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(10, 10, 10)
        )
);
jPanel5Layout.setVerticalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel3)
            .addGap(10, 10, 10)
        )
);

jPanel6.setBackground(new java.awt.Color(167, 205, 249));

btnMDSiswa.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
btnMDSiswa.setIcon(new javax.swing.ImageIcon(getClass().getResource("/assets/users.png")));
// NOI18N
btnMDSiswa.setText("Siswa");
```

```
btnMDSiswa.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        btnMDSiswaMouseClicked(evt);  
    }  
});
```

```
btnMDPelajaran.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N  
btnMDPelajaran.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/assets/library.png"))); // NOI18N  
btnMDPelajaran.setText("Pelajaran");  
btnMDPelajaran.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        btnMDPelajaranMouseClicked(evt);  
    }  
});
```

```
btnMDAngkatan.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N  
btnMDAngkatan.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/assets/blackboard.png"))); // NOI18N  
btnMDAngkatan.setText("Angkatan");  
btnMDAngkatan.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        btnMDAngkatanMouseClicked(evt);  
    }  
});
```

```
javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);  
jPanel6.setLayout(jPanel6Layout);  
jPanel6Layout.setHorizontalGroup(
```

```

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel6Layout.createSequentialGroup()
.addContainerGap()
.addComponent(btnMDSiswa)
.addGap(120, 120, 120)
.addComponent(btnMDPelajaran)
.addGap(90, 90, 90)
.addComponent(btnMDAngkatan)
.addContainerGap(37, Short.MAX_VALUE))
);
jPanel6Layout.setVerticalGroup(
jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel6Layout.createSequentialGroup()
.addContainerGap()
.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(btnMDPelajaran, javax.swing.GroupLayout.PREFERRED_SIZE, 85,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(btnMDAngkatan))
.addComponent(btnMDSiswa))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel7.setBackground(new java.awt.Color(49, 89, 135));

jLabel6.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel6.setForeground(new java.awt.Color(242, 241, 240));
jLabel6.setText("DATA");

```

```

javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);
jPanel7.setLayout(jPanel7Layout);
jPanel7Layout.setHorizontalGroup(
    jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel7Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel6)
            .addGap(10, 10, 10))
);
jPanel7Layout.setVerticalGroup(
    jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel7Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel6)
            .addGap(10, 10, 10))
);

jPanel8.setBackground(new java.awt.Color(167, 205, 249));

btnDPresensi.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
btnDPresensi.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/assets/presentation.png"))); // NOI18N
btnDPresensi.setText("Presensi");
btnDPresensi.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        btnDPresensiMouseClicked(evt);
    }
});

```



```

btnDCicilan.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N

btnDCicilan.setIcon(new javax.swing.ImageIcon(getClass().getResource("/assets/money.png")));
// NOI18N

btnDCicilan.setText("Cicilan");

btnDCicilan.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        btnDCicilanMouseClicked(evt);

    }

});

btnDSMS.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N

btnDSMS.setIcon(new javax.swing.ImageIcon(getClass().getResource("/assets/users.png"))); //
NOI18N

btnDSMS.setText("SMS");

btnDSMS.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        btnDSMSMouseClicked(evt);

    }

});

javax.swing.GroupLayout jPanel8Layout = new javax.swing.GroupLayout(jPanel8);
jPanel8.setLayout(jPanel8Layout);
jPanel8Layout.setHorizontalGroup(

    jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(jPanel8Layout.createSequentialGroup()

        .addComponent(btnDPresensi)

        .addGap(100, 100, 100)

```

```

        .addComponent(btnDCicilan)
        .addGap(100, 100, 100)
        .addComponent(btnDSMS)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel8Layout.setVerticalGroup(
        jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel8Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(btnDPresensi)
            .addComponent(btnDCicilan)
            .addComponent(btnDSMS))
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

jPanel9.setBackground(new java.awt.Color(49, 89, 135));

jLabel9.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N
jLabel9.setForeground(new java.awt.Color(242, 241, 240));
jLabel9.setText("LAPORAN");

javax.swing.GroupLayout jPanel9Layout = new javax.swing.GroupLayout(jPanel9);
jPanel9.setLayout(jPanel9Layout);
jPanel9Layout.setHorizontalGroup(
    jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel9Layout.createSequentialGroup()
            .addContainerGap()

```

```
.addComponent(jLabel9)

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

);

jPanel9Layout.setVerticalGroup(

jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel9Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel9)

.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

);

jPanel10.setBackground(new java.awt.Color(167, 205, 249));

btnLPresensi.setFont(new java.awt.Font("Ubuntu", 1, 15)); // NOI18N

btnLPresensi.setIcon(new javax.swing.ImageIcon(getClass().getResource("/assets/board.png")));
// NOI18N

btnLPresensi.setText("Presensi");

btnLPresensi.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

btnLPresensiMouseClicked(evt);

}

});
```