

LAMPIRAN

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.SqlClient;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace PenjadwalanPendadaran
{
    public partial class Dosen : Form
    {
        SqlConnection con = new
        SqlConnection("Data Source=ITHA-
        APRILIA-PR;Initial
        Catalog=Jadwal_Pendadaran;Integrated
        Security=true; User
        ID=sa;password=27041996");
        SqlCommand cmd;
        SqlDataAdapter adapt;
        //ID variable used in Updating
        and Deleting Record
        //int ID = 0;
        public Dosen()
        {
            InitializeComponent();
            ClearData();
            DisplayData();
            cKategori();
            //con.Open();
            this.ControlBox = false;
        }
        private void ClearData()
        {
            textBox1.Text = "";
            textBox2.Text = "";
            textBox3.Text = "";
            //comboBox1.Text = "";
            textBox1.Enabled = true;
            textBox2.Enabled = false;
            comboBox1.Enabled = false;
            textBox3.Enabled = false;
            textBox1.Select();
            //ID = 0;
        }
        private void cKategori()
        {
            comboBox1.Items.Clear();
            con.Open();
            cmd = con.CreateCommand();
            cmd.CommandType =
            CommandType.Text;
            cmd.CommandText = "select
            kode_ktg from Kategori";
            cmd.ExecuteNonQuery();
            DataTable dt = new
            DataTable();
            SqlDataAdapter dal = new
            SqlDataAdapter(cmd);
            dal.Fill(dt);
            foreach (DataRow dr in
            dt.Rows)
            {
                comboBox1.Items.Add(dr["kode_ktg"].ToSt
                ring());
            }
            con.Close();
        }
    }
}

```

```

        private void
textBox1_TextChanged(object sender,
EventArgs e)
    {
        textBox2.Enabled = true;
    }
    private void
textBox2_TextChanged(object sender,
EventArgs e)
    {
        comboBox1.Enabled = true;
        textBox3.Enabled = false;
    }

    private void
textBox1_KeyPress(object sender,
KeyPressEventArgs e)
    {
        e.Handled =
char.IsNumber(e.KeyChar) || e.KeyChar
== 8 ?
            false : true;

        if (textBox1.Text.Length >=
20)
        {
            if (e.KeyChar !=
(char)8 && e.KeyChar != 13 && e.KeyChar
!= 32)
            {
                MessageBox.Show("NIK TIDAK BOLEH lebih
dari 20 " + "karakter");
                e.KeyChar =
(char)0;

                DisplayData();
                ClearData();
            }
        }
        if (e.KeyChar == 13)
        {
            textBox2.Select();
        }
    }
}
//Display Data in DataGridView
private void DisplayData()
{
    con.Open();
    DataTable dt = new
DataTable();
    adapt = new
SqlDataAdapter("select * from Dosen",
con);
    adapt.Fill(dt);
    dataGridView1.DataSource =
dt;

    //dataGridView1.Columns[0].HeaderText =
"No";

    //dataGridView1.Columns[0].Width = 30;

    dataGridView1.Columns[0].HeaderText =
"NIK";

    dataGridView1.Columns[0].Width = 100;

    dataGridView1.Columns[1].HeaderText =
>Nama Dosen";

    dataGridView1.Columns[1].Width = 150;

    dataGridView1.Columns[2].HeaderText =
"Kode kategori";

    dataGridView1.Columns[3].Width = 10;

    dataGridView1.Columns[3].HeaderText =
"Kategori";

    dataGridView1.Columns[3].Width = 60;
    con.Close();
}
}

```

```

        private void
btn_simpan_Click(object sender,
EventArgs e)
    {
        string str = "select * from
Dosen where nik='" + textBox1.Text +
''";

        con.Open();
        SqlCommand cmd = new
SqlCommand(str, con);
        SqlDataReader dr =
cmd.ExecuteReader();
        if (dr.Read())
        {
            //textBox1.Text =
dr["nik"].ToString();//column name
should be that you want to show on
textbox

            DialogResult dlg =
MessageBox.Show("Dosen dengan NIK " +
                "ini sudah ada",
                "Informasi",
                MessageBoxButtons.OK);

            con.Close();
            DisplayData();
            ClearData();
        }
        else
        {
            try
            {
                con.Close();
                if (textBox1.Text
                != "" && textBox2.Text != "")
                {
                    cmd = new
                    SqlCommand("insert into
                    Dosen(nik,nm_dsn,kode_ktg,kategori)
                    values(@nik,@dsn,@kdkg,@ktg)", con);
                    con.Open();

                    cmd.Parameters.AddWithValue("@nik",
                    textBox1.Text);

                    cmd.Parameters.AddWithValue("@dsn",
                    textBox2.Text);

                    cmd.Parameters.AddWithValue("@kdkg",
                    comboBox1.SelectedItem);

                    cmd.Parameters.AddWithValue("@ktg",
                    textBox3.Text);

                    cmd.ExecuteNonQuery();

                    con.Close();

                    MessageBox.Show("Data berhasil
                    disimpan");

                    DisplayData();
                    ClearData();
                }
                else
                {
                    MessageBox.Show("Isi data terlebih
                    dahulu!");

                    ClearData();
                }
            }
            catch (Exception )
            {
                MessageBox.Show("Format NIK harus
                [tahun,bulan,tanggal lahir][tahun,
                bulan,tanggal diangkat][no].");

                ClearData();
            }
        }
    }

    private void
btn_hapus_Click(object sender,
EventArgs e)

```

```

    {
        if (textBox1.Text != "")
        {
            cmd = new
SqlCommand("delete Dosen where
nik=@nik", con);
            con.Open();

cmd.Parameters.AddWithValue("@nik",
textBox1.Text);
            cmd.ExecuteNonQuery();
            con.Close();
            MessageBox.Show("Data
berhasil dihapus!");
            DisplayData();
            ClearData();
        }
        else
        {
            MessageBox.Show("Pilih
data yang akan dihapus");
        }
    }

    private void
btn_edit_Click(object sender, EventArgs
e)
    {
        if (textBox1.Text != "" &&
textBox2.Text != "")
        {
            cmd = new
SqlCommand("update Dosen set
nm_dsn=@dsn,kode_ktg=@kdkg,kategori=@kt
g where nik=@nik", con);
            con.Open();

//cmd.Parameters.AddWithValue("@id",
ID);

cmd.Parameters.AddWithValue("@nik",
textBox1.Text);
            cmd.Parameters.AddWithValue("@dsn",
textBox2.Text);

cmd.Parameters.AddWithValue("@kdkg",
comboBox1.SelectedItem);

cmd.Parameters.AddWithValue("@ktg",
textBox3.Text);
            cmd.ExecuteNonQuery();
            MessageBox.Show("Data
berhasil diedit");
            con.Close();
            DisplayData();
            ClearData();
        }
        else
        {
            MessageBox.Show("Pilih
data terlebih dahulu");
        }
    }

    private void
dataGridView1_RowHeaderMouseClick(object
sender,
DataGridViewCellMouseEventArgs e)
    {
        //ID =
Convert.ToInt32(dataGridView1.Rows[e.Row
RowIndex].Cells[0].Value.ToString());
        textBox1.Text =
dataGridView1.Rows[e.RowIndex].Cells[0]
.Value.ToString();
        textBox2.Text =
dataGridView1.Rows[e.RowIndex].Cells[1]
.Value.ToString();
        comboBox1.Text =
dataGridView1.Rows[e.RowIndex].Cells[2]
.Value.ToString();
    }

```

```

        textBox3.Text =
dataGridView1.Rows[e.RowIndex].Cells[3]
.Value.ToString();
    }

    private void
btn_kembali_Click(object sender,
EventArgs e)
    {
        this.Hide();
        Master ms = new Master();
        ms.Show();
    }

    private void
comboBox1_SelectedIndexChanged(object
sender, EventArgs e)
    {
        SqlConnection con = new
SqlConnection("Data Source=ITHA-
APRILIA-PR;Initial
Catalog=Jadwal_Pendadaran;Integrated
Security=true; User
ID=sa;password=27041996");
        string str = "select * from
Kategori where kode_ktg='" +
comboBox1.Text + "'";
        con.Open();
        SqlCommand cmd = new
SqlCommand(str, con);
        SqlDataReader dr =
cmd.ExecuteReader();
        if (dr.Read())
        {
            textBox3.Text =
dr["kategori"].ToString();
        }
    }
}

```

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Data.SqlClient;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace PenjadwalanPendadaran
{
    public partial class Adaruang :
Form
    {
        SqlConnection con = new
SqlConnection("Data Source=ITHA-
APRILIA-PR;Initial
Catalog=Jadwal_Pendadaran;Integrated
Security=true; User
ID=sa;password=27041996");
        SqlCommand cmd;
        SqlDataAdapter adapt;
        //ID variable used in Updating
and Deleting Record
        int ID = 0;
        public Adaruang()
        {
            InitializeComponent();
            ClearData();
            DisplayData();
            cruang();
            ctanggal();
            cjam();
            resetData();

            //comboBox2.FormatString =
"dd-MM-yyyy";
            this.ControlBox = false;
            //con.Open();

```

```

}
private void ClearData()
{
    textBox1.Text = "";
    textBox2.Text = "";
    textBox3.Text = "";
    comboBox1.Enabled = true;
    textBox1.Enabled = false;
    comboBox2.Enabled = false;
    textBox2.Enabled = false;
    comboBox3.Enabled = false;
    textBox3.Enabled = false;
    comboBox1.Select();
    ID = 0;
}
//Display Data in DataGridView
private void DisplayData()
{
    con.Open();
    DataTable dt = new
DataTable();
    adapt = new
SqlDataAdapter("select * from
Adaruang", con);
    adapt.Fill(dt);
    dataGridView1.DataSource =
dt;

    dataGridView1.Columns[0].HeaderText =
"No";

//dataGridView1.Columns[0].Width = 30;

    dataGridView1.Columns[1].HeaderText =
"Kode Ruang";

//dataGridView1.Columns[1].Width = 40;

    dataGridView1.Columns[2].HeaderText =
"Kode Tanggal";

//dataGridView1.Columns[2].Width = 40;

    dataGridView1.Columns[3].HeaderText =
"Kode Jam";

//dataGridView1.Columns[3].Width = 40;

    dataGridView1.Columns[4].HeaderText =
"Ruang";

//dataGridView1.Columns[4].Width = 50;

    dataGridView1.Columns[5].HeaderText =
"Tanggal";

//dataGridView1.Columns[5].Width = 50;

    dataGridView1.Columns[6].HeaderText =
"Jam";

//dataGridView1.Columns[6].Width = 50;

    dataGridView1.Columns[7].HeaderText =
"Ket";

//dataGridView1.Columns[7].Width = 30;
    con.Close();
}
private void
dataGridView1_RowHeaderMouseClick(object
sender,
DataGridViewCellMouseEventArgs e)
{
    ID =
Convert.ToInt32(dataGridView1.Rows[e.Row
Index].Cells[0].Value.ToString());

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```

        comboBox1.Text =
dataGridView1.Rows[e.RowIndex].Cells[1]
.Value.ToString();
        textBox2.Text =
dataGridView1.Rows[e.RowIndex].Cells[2]
.Value.ToString();
        comboBox3.Text =
dataGridView1.Rows[e.RowIndex].Cells[3]
.Value.ToString();
        textBox1.Text =
dataGridView1.Rows[e.RowIndex].Cells[4]
.Value.ToString();
        string tgl =
ExtractDateFromDateTime(dataGridView1.R
ows[e.RowIndex].Cells[5].Value.ToStrin
g());
        comboBox2.Text = tgl;
        textBox3.Text =
dataGridView1.Rows[e.RowIndex].Cells[6]
.Value.ToString();
    }

    private string
ExtractDateFromDateTime(object
dateTime)
    {
        return
Convert.ToDateTime(dateTime).ToShortDat
eString();
    }

    private void
comboBox1_TextChanged(object sender,
EventArgs e)
    {
        comboBox2.Enabled = true;
        //textBox2.Enabled = true;
    }

    private void
comboBox2_TextChanged(object sender,
EventArgs e)
        {
            comboBox3.Enabled = true;
            //textBox3.Enabled = true;
        }

        public void cruang()
        {
            comboBox1.Items.Clear();
            con.Open();
            cmd = con.CreateCommand();
            cmd.CommandType =
CommandType.Text;
            cmd.CommandText = "select
kode_rg from Ruang";
            cmd.ExecuteNonQuery();
            DataTable dt = new
DataTable();
            SqlDataAdapter dal = new
SqlDataAdapter(cmd);
            dal.Fill(dt);
            foreach (DataRow dr in
dt.Rows)
            {
                comboBox1.Items.Add(dr["kode_rg"].ToStr
ing());
            }
            con.Close();
        }

        public void ctanggal()
        {
            //DateTime now =
DateTime.Now;

            comboBox2.Items.Clear();
            comboBox2.FormatString =
"dd-MM-yyyy";
            con.Open();
            cmd = con.CreateCommand();

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```

        cmd.CommandType =
CommandType.Text;
        cmd.CommandText = "select
tanggal from Tanggal where
MONTH(tanggal) =
MONTH(dateadd(MM,0,GetDate())) AND
YEAR(tanggal) =
YEAR(dateadd(MM,0,GetDate()))";
        cmd.ExecuteNonQuery();
        DataTable dt = new
DataTable();
        SqlDataAdapter dal = new
SqlDataAdapter(cmd);
        dal.Fill(dt);
        foreach (DataRow dr in
dt.Rows)
        {
comboBox2.Items.Add(dr["tanggal"]);
            comboBox3.FormatString
= "dd-MM-yyyy";
        }
        con.Close();
    }
    public void cjam()
    {
        comboBox3.Items.Clear();
        con.Open();
        cmd = con.CreateCommand();
        cmd.CommandType =
CommandType.Text;
        cmd.CommandText = "select
kode_jam from Waktu";
        cmd.ExecuteNonQuery();
        DataTable dt = new
DataTable();
        SqlDataAdapter dal = new
SqlDataAdapter(cmd);
        dal.Fill(dt);
        foreach (DataRow dr in
dt.Rows)
        {
            comboBox3.Items.Add(dr["kode_jam"].ToSt
ring());
            //string aw =
cmd.ToString
//comboBox3.Items.Add((dr["awal"].ToStr
ing()) + " - " +
(dr["akhir"].ToString()));
        }
        con.Close();
    }
    private void
btn_simpan_Click(object sender,
EventArgs e)
    {
        string tg =
Convert.ToDateTime(comboBox2.SelectedIt
em).ToString("yyyy-MM-dd");
        string str = "select * from
Adaruang where ruang='" + textBox1.Text
+ "' AND tanggal='" + tg + "' AND
jam='" + textBox3.Text + "'";
        con.Open();
        SqlCommand cmd = new
SqlCommand(str, con);
        SqlDataReader dr =
cmd.ExecuteReader();
        //comboBox2.SelectedItem =
textBox1.Text;
        if (dr.Read())
        {
            DialogResult dlg =
MessageBox.Show("Data yang sama " +
"telah tersedia.",
"Informasi",
MessageBoxButtons.OK);
            con.Close();
            DisplayData();
        }
    }

```



```

        ClearData();
    }
    else
    {
        con.Close();
        string st =
Convert.ToDateTime(comboBox2.SelectedItem).ToString("yyyy-MM-dd");
        if (comboBox1.Text !=
"" && comboBox2.Text != "")
        {
            cmd = new
SqlCommand("insert into
Adaruang(kode_rg, kode_tgl,
kode_jam, ruang, tanggal, jam, ket)
values(@kdrg,@kdtg,@kdjm,@rg,@tg,@jm,@k
t)", con);
            con.Open();

cmd.Parameters.AddWithValue("@kdrg",
comboBox1.SelectedItem);

cmd.Parameters.AddWithValue("@kdtg",
textBox2.Text);

cmd.Parameters.AddWithValue("@kdjm",
comboBox3.SelectedItem);

cmd.Parameters.AddWithValue("@rg",
textBox1.Text);

cmd.Parameters.AddWithValue("@tg",
DateTime.Parse(st));

//cmd.Parameters.AddWithValue("@tg",
Convert.ToDateTime(comboBox2.Text).ToSt
ring("dd-MM-yyyy"));

cmd.Parameters.AddWithValue("@jm",
textBox3.Text);

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```

cmd.Parameters.AddWithValue("@kt",
"KOSONG");

cmd.ExecuteNonQuery();
con.Close();

MessageBox.Show("Data berhasil
disimpan");

DisplayData();
ClearData();
}
else
{
    MessageBox.Show("Isi data terlebih
dahulu!");
}
}

private void
btn_edit_Click(object sender, EventArgs
e)
{
    //string jamm =
Convert.ToString(comboBox3.SelectedItem
);

    string tg =
Convert.ToDateTime(comboBox2.SelectedItem).ToString("yyyy-MM-dd");
    if (comboBox1.Text != "" &&
comboBox2.Text != "" && comboBox3.Text
!= "")
    {
        cmd = new
SqlCommand("update Adaruang set
kode_rg=@kdrg,
kode_tgl=@kdtg,kode_jam=@kdjm, ruang=@rg
,tanggal=@tg, jam=@jm, ket=@kt where
kode_adarg=@id", con);
        con.Open();

```

```

cmd.Parameters.AddWithValue("@id", ID);

cmd.Parameters.AddWithValue("@kdrg",
comboBox1.SelectedItem);

cmd.Parameters.AddWithValue("@kdtg",
textBox2.Text);

cmd.Parameters.AddWithValue("@kdjm",
comboBox3.SelectedItem);

cmd.Parameters.AddWithValue("@rg",
textBox1.Text);

cmd.Parameters.AddWithValue("@tg",
DateTime.Parse(tg));

//cmd.Parameters.AddWithValue("@tg",
Convert.ToDateTime(comboBox2.Text).ToSt
ring("dd-MM-yyyy"));

cmd.Parameters.AddWithValue("@jm",
textBox3.Text);

cmd.Parameters.AddWithValue("@kt",
"KOSONG");

        cmd.ExecuteNonQuery();
        MessageBox.Show("Data
berhasil diedit");
        con.Close();
        DisplayData();
        ClearData();
    }
    else
    {
        MessageBox.Show("Pilih
data terlebih dahulu");
    }
}

```

```

        private void
btn_hapus_Click(object sender,
EventArgs e)
        {
            if (ID != 0)
            {
                cmd = new
SqlCommand("delete Adaruang where
kode_adarg=@id", con);
                con.Open();

cmd.Parameters.AddWithValue("@id", ID);
                cmd.ExecuteNonQuery();
                con.Close();
                MessageBox.Show("Data
berhasil dihapus!");
                DisplayData();
                ClearData();
            }
            else
            {
                MessageBox.Show("Pilih
data yang akan dihapus");
            }
        }

        private void
btn_kembali_Click(object sender,
EventArgs e)
        {
            this.Hide();
            Proses ms = new Proses();
            ms.Show();
        }

        private void
comboBox1_SelectedIndexChanged(object
sender, EventArgs e)
        {
            SqlConnection con = new
SqlConnection("Data Source=ITHA-
APRILIA-PR;Initial

```

```

Catalog=Jadwal_Pendadaran;Integrated
Security=true; User
ID=sa;password=27041996");
        string str = "select * from
Ruang where kode_rg='\" + comboBox1.Text
+ '\"";
        con.Open();
        SqlCommand cmd = new
SqlCommand(str, con);
        SqlDataReader dr =
cmd.ExecuteReader();
        if (dr.Read())
        {
            textBox1.Text =
dr["ruang"].ToString();//column name
should be that you want to show on
textbox

        }
    }

    private void
comboBox2_SelectedIndexChanged(object
sender, EventArgs e)
    {
        string tgl =
Convert.ToDateTime(comboBox2.SelectedIt
em).ToString("yyyy-MM-dd");
        SqlConnection con = new
SqlConnection("Data Source=ITHA-
APRILIA-PR;Initial
Catalog=Jadwal_Pendadaran;Integrated
Security=true; User
ID=sa;password=27041996");
        string str = "select * from
Tanggal where tanggal='\" + tgl + '\"";
        con.Open();
        SqlCommand cmd = new
SqlCommand(str, con);
        SqlDataReader dr =
cmd.ExecuteReader();
        if (dr.Read())
        {
            //textBox2.Text =
Convert.ToDateTime(dr["tanggal"].ToStri
ng()).ToString("yyyy-MM-dd");
            //string tg =
Convert.ToDateTime(textBox2.Text).ToStr
ing("yyyy-MM-dd");

            //Convert.ToDateTime(textBox2.Text).ToS
tring("yyyy-MM-dd") =
dr["tanggal"].ToString();

            //textBox2.Text =
dr["tanggal"].ToString();
            //textBox2.for = "yyyy-
MM-dd";

            textBox2.Text =
dr["kode_tgl"].ToString();
        }
    }

    private void
comboBox3_SelectedIndexChanged(object
sender, EventArgs e)
    {
        SqlConnection con = new
SqlConnection("Data Source=ITHA-
APRILIA-PR;Initial
Catalog=Jadwal_Pendadaran;Integrated
Security=true; User
ID=sa;password=27041996");
        string str = "select * from
Waktu where kode_jam='\" +
comboBox3.Text + '\"";
        con.Open();
        SqlCommand cmd = new
SqlCommand(str, con);

```

```
        SqlDataReader dr =
cmd.ExecuteReader();
        if (dr.Read())
        {
            textBox3.Text =
((dr["jam_awal"].ToString()) + " - " +
(dr["jam_akhir"].ToString()));

        }
    }
    public void resetData()
    {
        cmd = new
SqlCommand("UPDATE Adaruang set
ket='HANGUS' where MONTH(tanggal) =
MONTH(dateadd(MM,-1,GetDate())) AND
YEAR(tanggal) = YEAR(dateadd(MM,-
1,GetDate())) AND ket='KOSONG'", con);
        con.Open();
        cmd.ExecuteNonQuery();
        con.Close();
    }
}
}
```