

LAMPIRAN

Source Code Aplikasi

1. Source Code fillList

```
void fillList(int mode = 0, string q = "")
{
    flp_daftar.Controls.Clear();
    try
    {
        conn.Open();
        string query = "SELECT * FROM dbo.ctkw";
        switch (mode)
        {
            case 0:
                query += " WHERE nama LIKE'" + q + "%'";
                break;
            case 1:
                query += " WHERE CAST(nik AS VARCHAR(64)) LIKE
%'"+q+"%'";
                break;
        }

        SqlCommand cmd = new SqlCommand(query, conn);
        SqlDataReader read = cmd.ExecuteReader();
        int i = 0;
        while (read.Read())
```

```

    {
        i++;

        CTKW_ListItem coba = new CTKW_ListItem(read.GetInt64(0), i,
read.GetInt64(0).ToString() + i.ToString(), read.GetString(1));

        coba.Lihat.Click += (sender, e) =>
        {
            FormDataCTKW form = new
FormDataCTKW(Controller.CrudMethod.Update, coba.ID);

            form.FormClosed += new
FormClosedEventHandler(showthisformback);

            form.Show();

            this.Hide();
        };

        coba.Hapus.Click += (sender, e) =>
        {
            SqlConnection conn_2 = new SqlConnection(@"Data
Source=DESKTOP-5VN6VS8\RIZALZR;Initial Catalog=TA;Integrated
Security=True");

            DialogResult res = MessageBox.Show("Apakah anda yakin ingin
menghapus data ini?", "Hapus Data", MessageBoxButtons.YesNo,
MessageBoxIcon.Warning);

            if (res == DialogResult.Yes)
            {
                conn_2.Open();

                SqlCommand _del = new SqlCommand("DELETE FROM
ctkw WHERE nik=" + coba.ID, conn_2);

                _del.ExecuteNonQuery();
            }
        }
    }

```

```

        fillList();

        conn_2.Close();
    }
};

    flp_daftar.Controls.Add(coba);
}
conn.Close();
}
catch (Exception ex)
{
    conn.Close();
    MessageBox.Show(ex.Message);
}
}

```

2. Source Code Update

```

void UPDATE()
{
    try
    {
        conn.Open();
        tb_nik.Enabled = false;

        SqlCommand cmd = new SqlCommand("Select * From CTKW Where
NIK=" + ID + "'", conn);

        SqlDataReader reader = cmd.ExecuteReader();
    }
}

```

```
int id_sponsor = 0;
byte[] _foto = null;
while (reader.Read())
{
    tb_nik.Text = reader.GetInt64(0).ToString();
    tb_nama.Text = reader.GetString(1);
    tb_tempat.Text = reader.GetString(2);
    cb_gender.SelectedIndex =
cb_gender.Items.IndexOf(reader.GetString(3));
    tb_alamat.Text = reader.GetString(4);
    cb_agama.SelectedIndex =
cb_agama.Items.IndexOf(reader.GetString(5));
    cb_status.SelectedIndex =
cb_status.Items.IndexOf(reader.GetString(6));
    cb_pendidikan.SelectedIndex =
cb_pendidikan.Items.IndexOf(reader.GetString(7));
    tb_tahun_tamat.Text = reader.GetInt32(8).ToString();

    tb_tinggi.Text = reader.GetInt32(9).ToString();
    tb_berat.Text = reader.GetInt32(10).ToString();

    tb_nama_bpk.Text = reader.GetString(11);
    tb_usia_bpk.Text = reader.GetInt32(12).ToString();
    tb_job_bpk.Text = reader.GetString(13);
    tb_nama_ibu.Text = reader.GetString(14);
    tb_usia_ibu.Text = reader.GetInt32(15).ToString();
    tb_job_ibu.Text = reader.GetString(16);
```

```
tb_nama_suami.Text = reader.GetString(17);
tb_usia_suami.Text = reader.GetInt32(18).ToString();
tb_job_suami.Text = reader.GetString(19);

tb_jml_anak.Text = reader.GetInt32(20).ToString();
tb_jml_anak_laki.Text = reader.GetInt32(21).ToString();
tb_jml_anak_pr.Text = reader.GetInt32(22).ToString();

tb_jml_saudara.Text = reader.GetInt32(23).ToString();
tb_jml_saudara_laki.Text = reader.GetInt32(24).ToString();
tb_jml_saudara_pr.Text = reader.GetInt32(25).ToString();
tb_anakke.Text = reader.GetInt32(26).ToString();
id_sponsor = reader.GetInt32(27);
tanggal_lahir.Value = reader.GetDateTime(28);
cb_destination.SelectedItem = reader.GetString(30);
_foto = (byte[])reader.GetValue(31);
}

reader.Close();

SqlCommand _sponsor = new SqlCommand("select nama_sponsor
from sponsor where id_sponsor=" + id_sponsor, conn);

string sponsor = (string)_sponsor.ExecuteScalar();
cb_sponsor.SelectedIndex = cb_sponsor.Items.IndexOf(sponsor);

var img = new MemoryStream(_foto);
```

```

pb_foto.Image = Image.FromStream(img);

// assign_pengalaman

SqlCommand GET_PENGALAMAN = new SqlCommand("SELECT
* FROM pengalaman WHERE NIK=" + ID, conn);

SqlDataReader      PENGALAMAN_READER      =
GET_PENGALAMAN.ExecuteReader();

while (PENGALAMAN_READER.Read())
{
    Pengalaman _data = new Pengalaman();
    _data.ID = PENGALAMAN_READER.GetInt32(0);
    _data.NIK = PENGALAMAN_READER.GetInt64(1);
    _data.PENGALAMAN_DI      =
PENGALAMAN_READER.GetString(2);
    _data.DURASI = PENGALAMAN_READER.GetInt32(3);
    _data.POSISI = PENGALAMAN_READER.GetString(4);
    _data.WAKTU_MULAI      =
PENGALAMAN_READER.GetString(5);
    _data.WAKTU_SELESAI      =
PENGALAMAN_READER.GetString(6);
    _data.NAMA_MAJIKAN      =
PENGALAMAN_READER.GetString(7);
    _data.ALAMAT_MAJIKAN      =
PENGALAMAN_READER.GetString(8);
    _data.TELEPON_MAJIKAN      =
PENGALAMAN_READER.GetString(9);
    _data.JML_KELU_MAJIKAN      =
PENGALAMAN_READER.GetInt32(10);
    _data.DESKRIPSI_KELU_MAJIKAN      =
PENGALAMAN_READER.GetString(11);
}

```

```

        _data.JML_ANAK_MAJIKAN =
PENGALAMAN_READER.GetInt32(12);

        _data.JML_ANAK_LK =
PENGALAMAN_READER.GetInt32(13);

        _data.JML_ANAK_PR =
PENGALAMAN_READER.GetInt32(14);

        _data.HEWAN_DIRAWAT =
PENGALAMAN_READER.GetString(15);

        _data.ALERGI_MAKANAN =
PENGALAMAN_READER.GetString(16);

        _data.ALERGI_CUACA =
PENGALAMAN_READER.GetString(17);

        _data.ALERGI_BARANG =
PENGALAMAN_READER.GetString(18);

        _data.RIWAYAT_SAKIT =
PENGALAMAN_READER.GetString(19);

        _data.ALASAN_BEKERJA =
PENGALAMAN_READER.GetString(20);

        _data.THN_AKHIR_URUS_PASSPORT =
PENGALAMAN_READER.GetInt32(21);

        _data.IMIGRASI_URUS_PASSPORT =
PENGALAMAN_READER.GetString(22);

        _data.KEAHLIAN = PENGALAMAN_READER.GetString(23);

        _data.SKILL_MEMASAK =
PENGALAMAN_READER.GetString(24);

        PENGALAMAN_CTKW.Add(_data);
    }

    conn.Close();
}

```

```
catch (Exception ex)
{
    conn.Close();
    MessageBox.Show(ex.Message);
}
}
```

3. *Source Code Save*

```
private void btn_save_Click(object sender, EventArgs e)
{
    #region Inits
    string nik = tb_nik.Text;
    string tujuan = cb_destination.Text;
    string sponsor = cb_sponsor.Text;

    string nama = tb_nama.Text;
    string tempat = tb_tempat.Text;
    string tanggal = tanggal_lahir.Value.ToShortDateString();
    string gender = cb_gender.Text;

    string alamat = tb_alamat.Text;
    string agama = cb_agama.Text;
    string pendidikan = cb_pendidikan.Text;
    string tahun_tamat = tb_tahun_tamat.Text;

    string berat = tb_berat.Text;
```



```
string tinggi = tb_tinggi.Text;

string nama_bapak = tb_nama_bpk.Text;
string usia_bapak = tb_usia_bpk.Text;
string job_bapak = tb_job_bpk.Text;

string nama_ibu = tb_nama_ibu.Text;
string usia_ibu = tb_usia_ibu.Text;
string job_ibu = tb_job_ibu.Text;

string status = cb_status.Text;
string nama_suami = tb_nama_suami.Text;
string usia_suami = tb_usia_suami.Text;
string job_suami = tb_job_suami.Text;

string jml_anak = tb_jml_anak.Text;
string jml_anak_lk = tb_jml_anak_laki.Text;
string jml_anak_pr = tb_jml_anak_pr.Text;

string jml_saudara = tb_jml_saudara.Text;
string jml_sdr_lk = tb_jml_saudara_laki.Text;
string jml_sdr_pr = tb_jml_saudara_pr.Text;
string anakke = tb_anakke.Text;

#endregion

var ms = new MemoryStream();
pb_foto.Image.Save(ms, System.Drawing.Imaging.ImageFormat.Png);
```

```
byte[] img = ms.ToArray();

try
{
    conn.Open();

    SqlCommand cmd = new SqlCommand("Select id_sponsor From Sponsor where
nama_sponsor='" + sponsor + "'", conn);

    sponsor = ((int)cmd.ExecuteScalar()).ToString();
    // 31 kolom

    string sqlQuery = "";

    if (Convert.ToInt32(tb_nik.Text.Length) < 16)
    {
        MessageBox.Show("NIK Kurang!!! ");
    }
    else
    {
        if (Convert.ToInt32(tb_tahun_tamat.Text) < 1965)
        {
            MessageBox.Show("Tahun Invalid!!! ");
            tb_tahun_tamat.Clear();
        }
        else
        {
```

```

if (isUpdate == false)
{
    conn.Open();
    sqlQuery = "insert into ctkw
(nik,nama,tgl,j_kelamin,alamat,agama,status_perkawinan,pendidikan,tahun_tamat,tinggi,berat,
nama_bapak,umur_bapak,pekerjaan_bapak,nama_ibu,umur_ibu,pekerjaan_ibu,nama_suami,u
mur_suami,pekerjaan_suami,j_anak,j_laki,j_pr,j_saudara,s_laki,s_pr,anak_ke,sponsor,lahir,tgl
_sekarang,negara,foto) values ('" + nik + "', '" +
    nama + "', '" +
    tempat + "', '" +
    gender + "', '" +
    alamat + "', '" +
    agama + "', '" +
    status + "', '" +
    pendidikan + "', '" +
    tahun_tamat + "', '" +
    tinggi + "', '" +
    berat + "', '" +
    nama_bapak + "', '" +
    usia_bapak + "', '" +
    job_bapak + "', '" +
    nama_ibu + "', '" +
    usia_ibu + "', '" +
    job_ibu + "', '" +
    nama_suami + "', '" +
    usia_suami + "', '" +
    job_suami + "', '" +
    jml_anak + "', '" +

```

```

        jml_anak_lk + "','" +
        jml_anak_pr + "','" +
        jml_saudara + "','" +
        jml_sdr_lk + "','" +
        jml_sdr_pr + "','" +
        anakke + "','" +
        sponsor + "','" +
        tanggal + "','" +
        DateTime.Now.ToShortDateString() + "','" +
        tujuan + "','@images)";
    }
    else
    {
        sqlQuery = "UPDATE CTKW set nama = '" + nama + "', ttl = '" + tempat + "',
j_kelamin = '" + gender + "', alamat = '" + alamat + "', agama = '" + agama + "', status_perkawinan
= '" + status + "', pendidikan = '" + pendidikan + "', tahun_tamat = '" + tahun_tamat + "', tinggi
= '" + tinggi + "', berat = '" + berat +
        "' , nama_bapak = '" + nama_bapak + "', umur_bapak = '" + usia_bapak + "',
pekerjaan_bapak = '" + job_bapak + "', nama_ibu = '" + nama_ibu + "', umur_ibu = '" + usia_ibu
+ "', pekerjaan_ibu = '" + job_ibu + "', nama_suami = '" + nama_suami + "', umur_suami = '" +
usia_suami + "', pekerjaan_suami = '" + job_suami + "', j_anak = '" + jml_anak + "', j_laki = '"
+ jml_anak_lk +
        "' , j_pr = '" + jml_anak_pr + "', j_saudara = '" + jml_saudara + "', s_laki = '" +
jml_sdr_lk + "', s_pr = '" + jml_sdr_pr + "', anak_ke = '" + anakke + "', negara = '" + tujuan + "',
sponsor = '" + sponsor + "', lahir = '" + tanggal + "', tgl_sekarang = '" +
DateTime.Now.ToShortDateString() + "', foto = @images WHERE nik ='" + nik + "'";
    }
    cmd = new SqlCommand(sqlQuery, conn);
    cmd.Parameters.Add("@images", SqlDbType.VarBinary, img.Length).Value =
img;
    cmd.ExecuteNonQuery();

```

```

for (int i = 0; i < PENGALAMAN_CTKW.Count; i++)
{
    string query = "";
    if (PENGALAMAN_CTKW[i].ID == 0)
    {
        query = string.Format("INSERT INTO Pengalaman
VALUES('{0}','{1}','{2}','{3}','{4}','{5}','{6}','{7}','{8}','{9}','{10}','{11}','{12}','{13}','{14}','
{15}','{16}','{17}','{18}','{19}','{20}','{21}','{22}','{23}')",
            ID, PENGALAMAN_CTKW[i].PENGALAMAN_DI,
PENGALAMAN_CTKW[i].DURASI, PENGALAMAN_CTKW[i].POSISI,
PENGALAMAN_CTKW[i].WAKTU_MULAI,
PENGALAMAN_CTKW[i].WAKTU_SELESAI,
PENGALAMAN_CTKW[i].NAMA_MAJIKAN,
PENGALAMAN_CTKW[i].ALAMAT_MAJIKAN,
PENGALAMAN_CTKW[i].TELEPON_MAJIKAN,
PENGALAMAN_CTKW[i].JML_KELU_MAJIKAN,
PENGALAMAN_CTKW[i].DESKRIPSI_KELU_MAJIKAN,
PENGALAMAN_CTKW[i].JML_ANAK_MAJIKAN,
            PENGALAMAN_CTKW[i].JML_ANAK_LK,
PENGALAMAN_CTKW[i].JML_ANAK_PR,
PENGALAMAN_CTKW[i].HEWAN_DIRAWAT,
PENGALAMAN_CTKW[i].ALERGI_MAKANAN,
PENGALAMAN_CTKW[i].ALERGI_CUACA,
PENGALAMAN_CTKW[i].ALERGI_BARANG,
PENGALAMAN_CTKW[i].RIWAYAT_SAKIT,
PENGALAMAN_CTKW[i].ALASAN_BEKERJA,
PENGALAMAN_CTKW[i].THN_AKHIR_URUS_PASSPORT,
PENGALAMAN_CTKW[i].IMIGRASI_URUS_PASSPORT,
PENGALAMAN_CTKW[i].KEAHLIAN, PENGALAMAN_CTKW[i].SKILL_MEMASAK);
    }
    else
    {
        query = string.Format("UPDATE Pengalaman SET
nik='{0}',pengalaman='{1}',durasi='{2}',posisi='{3}',dari='{4}',sampai='{5}',bos='{6}',almtbos='{7}',telpbos='{8}',jkbos='{9}',klgbos='{10}',abos='{11}',laki='{12}',perempuan='{13}',hew

```

```
an='{14}',hmakan='{15}',hcuaca='{16}',hbarang='{17}',rsakit='{18}',alasan='{19}',thnpass='{20}',imm='{21}',ahli='{22}',masak='{23}' WHERE id='{24}'
```

```
        ID,                PENGALAMAN_CTKW[i].PENGALAMAN_DI,  
PENGALAMAN_CTKW[i].DURASI,                PENGALAMAN_CTKW[i].POSISI,  
PENGALAMAN_CTKW[i].WAKTU_MULAI,  
PENGALAMAN_CTKW[i].WAKTU_SELESAI,  
PENGALAMAN_CTKW[i].NAMA_MAJIKAN,  
PENGALAMAN_CTKW[i].ALAMAT_MAJIKAN,  
PENGALAMAN_CTKW[i].TELEPON_MAJIKAN,  
PENGALAMAN_CTKW[i].JML_KELU_MAJIKAN,  
PENGALAMAN_CTKW[i].DESKRIPSI_KELU_MAJIKAN,  
PENGALAMAN_CTKW[i].JML_ANAK_MAJIKAN,
```

```
        PENGALAMAN_CTKW[i].JML_ANAK_LK,  
PENGALAMAN_CTKW[i].JML_ANAK_PR,  
PENGALAMAN_CTKW[i].HEWAN_DIRAWAT,  
PENGALAMAN_CTKW[i].ALERGI_MAKANAN,  
PENGALAMAN_CTKW[i].ALERGI_CUACA,  
PENGALAMAN_CTKW[i].ALERGI_BARANG,  
PENGALAMAN_CTKW[i].RIWAYAT_SAKIT,  
PENGALAMAN_CTKW[i].ALASAN_BEKERJA,  
PENGALAMAN_CTKW[i].THN_AKHIR_URUS_PASSPORT,  
PENGALAMAN_CTKW[i].IMIGRASI_URUS_PASSPORT,  
PENGALAMAN_CTKW[i].KEAHLIAN, PENGALAMAN_CTKW[i].SKILL_MEMASAK,  
PENGALAMAN_CTKW[i].ID);
```

```
    }
```

```
    SqlCommand SUBMIT_PENGALAMAN = new SqlCommand(query, conn);
```

```
    SUBMIT_PENGALAMAN.ExecuteNonQuery();
```

```
    }
```

```
        MessageBox.Show("Data berhasil tersimpan!", "Informasi",  
MessageBoxButtons.OK, MessageBoxIcon.Information);
```

```
        this.Close();
```

```
    }
```

```
    }
```

```
    conn.Close();
```

```
    }
```

```
catch (Exception ex)
{
    conn.Close();

    MessageBox.Show(ex.Message, "Error", MessageBoxButtons.OK,
    MessageBoxIcon.Error);
}

}
```

4. *Source Code Upload Foto*

```
private void btn_unggah_foto_Click(object sender, EventArgs e)
{
    OpenFileDialog ofd = new OpenFileDialog();
    DialogResult res = ofd.ShowDialog();
    if (res == DialogResult.OK)
    {
        pb_foto.Image = Image.FromFile(ofd.FileName);
    }
}
```