

Lampiran

Source Code Aplikasi

1. Source code Button Save

```
private void bt_insert_Click (object sender, EventArgs e)
{
    try
    {
        if (tb_Nim.Text == "" || tb_Namamhs.Text == "" || tb_Angkatan.Text == "" ||
tb_Judul.Text == "" || myCombo1.Text == "" || cb_Dp1.Text == "" || cb_Dp2.Text == "")
        {
            MessageBox.Show("Data Tidak Boleh Kosong");
        }
        else if (tb_Nim.Text.Length != 11)
        {
            MessageBox.Show("Nim Harus 11 Digit");
        }
        else
        {
            string queri = "insert into dbo.InputData ";
            queri = queri + "(Nim, Namamhs, Angkatan, Judul, Katagori, Dp1, Dp2,
Tanggal) ";
            queri = queri + "Values ('" + tb_Nim.Text + "','" + tb_Namamhs.Text + "','" +
tb_Angkatan.Text + "','" + tb_Judul.Text + "','" + myCombo1.Text + "','" +
cb_Dp1.Text + "','"
+ cb_Dp2.Text + "','" + Date.Value + "')";
            using (SqlConnection con = new SqlConnection(Con))
            {
                con.Open();
                try
                {
                    using (SqlCommand command = new SqlCommand(queri, con))
                    {
                        command.ExecuteNonQuery();
                        MetroMessageBox.Show(this, "Data Berhasil Dimasukkan");
                        metroGrid1.Refresh();
                        metroGrid1.Update();
                        refreshForm();
                        mydatabaseDataSet3.EnforceConstraints = false;
                    }
                }
            }
            this.inputDataTableAdapter.Fill(this.mydatabaseDataSet3.InputData);
        }
    }
}
```

```
        metroGrid1.Sort(metroGrid1.Columns[7],
ListSortDirection.Descending);
    }
    }
    catch (Exception ex)
    {
MetroMessageBox.Show(this, "Data Tidak Berhasil Dimasukkan, Nim sudah ada");
        refreshForm();
        con.Close();
    }
    }
    }
    }
    catch (Exception ex)
    {
        MessageBox.Show("Data sudah ada");
    }
}
}
```

2. Source Code Button Edit

```
private void bt_Edit_Click(object sender, EventArgs e)
{
    string a1, b1, c1, d1, e1, f1, g1, h1, query = "";
    a1 = tb_Nim.Text;
    b1 = tb_Namamhs.Text;
    c1 = tb_Angkatan.Text;
    d1 = tb_Judul.Text;
    e1 = myCombo1.Text;
    f1 = cb_Dp1.Text;
    g1 = cb_Dp2.Text;
    h1 = Date.Value.ToShortDateString();

    {
        try
        {
            query = "UPDATE InputData SET Namamhs=" + b1 + ", Angkatan = " +
c1 + ", Judul=" + d1 + ", Katagori=" + e1 + ", Dp1=" + f1 + ", Dp2=" + g1 + ",
Tanggal=" + h1 + " where Nim = " + a1 + """;

            SqlConnection conn = new SqlConnection("Data Source = DESKTOP-
PDCHKMD; Initial Catalog = Mydatabase; user = sa; password=123");
            conn.Open();
            SqlCommand comm = new SqlCommand(query, conn);
            comm.CommandType = CommandType.Text;
            comm.ExecuteNonQuery();
            conn.Close();

            this.inputDataTableAdapter.Fill(this.mydatabaseDataSet3.InputData);
            MetroMessageBox.Show(this, "Data berhasil di Update", "Pemberitahuan",
MessageBoxButtons.OK, MessageBoxIcon.Information);
            metroGrid1.Refresh();
            metroGrid1.Update();
            refreshForm();
        }
        catch (Exception ex)
        {
            MetroMessageBox.Show(this, "Data Gagal di Update");
            MetroMessageBox.Show(this, ex.ToString());
        }
    }
}
```

```

private void bt_Hapus_Click(object sender, EventArgs e)
{
    string a1, b1, c1, d1, e1, f1, g1, h1, query = "";
    a1 = tb_Nim.Text;
    b1 = tb_Namamhs.Text;
    c1 = tb_Angkatan.Text;
    d1 = tb_Judul.Text;
    e1 = myCombo1.Text;
    f1 = cb_Dp1.Text;
    g1 = cb_Dp2.Text;
    h1 = Date.Text;

    if (MetroMessageBox.Show(this, "Apakah anda yakin ingin Menghapus data ini?",
"Notification",
    MessageBoxButtons.YesNo, MessageBoxIcon.Question)
    == DialogResult.Yes)
    {
        try
        {
            query = "DELETE InputData where Nim =" + a1 + "";

            SqlConnection conn = new SqlConnection("Data Source = DESKTOP-
PDCHKMD; Initial Catalog = Mydatabase; user = sa; password=123");
            conn.Open();
            SqlCommand comm = new SqlCommand(query, conn);
            comm.CommandType = CommandType.Text;
            comm.ExecuteNonQuery();
            conn.Close();
            this.inputDataTableAdapter.Fill(this.mydatabaseDataSet3.InputData);

            //this.dataTabelTableAdapter.Fill(this.mydatabaseDataSet.DataTabel);
            refreshForm();
            MetroMessageBox.Show(this, "Data berhasil di Hapus", "Pemberitahuan",
MetroMessageBoxButtons.OK, MessageBoxIcon.Information);

            metroGrid1.Refresh();
            metroGrid1.Update();
        }
        catch (Exception ex)
        {

```

```
        MetroMessageBox.Show(this, "Data Gagal di hapus");
        MetroMessageBox.Show(this, ex.ToString());
    }

}

}

public void refreshForm()
{
    tb_Nim.Text = "";
    tb_Namamhs.Text = "";
    tb_Angkatan.Text = "";
    tb_Judul.Text = "";
    myCombo1.Text = "";
    cb_Dp1.Text = "";
    cb_Dp2.Text = "";
    Date.Text = "";
}
```