

## **BAB V**

### **PENUTUP**

#### **5.1 Kesimpulan**

Pada proses pengembangan Sistem Informasi Akademik pada SMAK Untung Suropati bSidoarjo dapat diambil beberapa kesimpulan sebagai berikut:

1. Pengembangan sistem yang lama ke proses terkomputerisasi dan terintegrasi dapat membuat kinerja sistem menjadi lebih baik, sehingga kesalahan manusia (*Human Error*) dapat diminimalkan.
2. Implementasi dari sistem ini dapat menghasilkan laporan-laporan yang dibutuhkan yang dapat mendukung dalam pengambilan keputusan.

#### **5.2 Saran**

Dalam pengembangan aplikasi Sistem Informasi Akademik ini, dapat diajukan beberapa saran, yaitu:

1. Diperlukan orang yang dapat dipercaya dan mempunyai sumber daya manusia yang cukup untuk mengelola sistem Akademik ini.
2. Pengguna sistem harus memenuhi segala prosedur yang ada yang dibutuhkan oleh sistem untuk mengimplementasikan sistem perpustakaan ini.
3. Pengembangan sistem informasi Akademik ini diharapkan dapat melalui *web* sehingga siswa bisa mengakses informasi di mana saja.

## LAMPIRAN

### Lampiran 1. Daftar Pertanyaan dan Hasil Wawancara

<b>1</b>	Bagaimana bagian akademik menentukan guru yang mengajar salah satu mata pelajaran berdasarkan masing-masing kelas ?
	bagian akademik biasanya akan mengordinir guru yang mengajar matapelajaran tertentu untuk membagi jatah mengajar sesuai dengan bidang studi yang dikuasai.
<b>2</b>	Bagaimana membagi kelas untuk siswa baru yang telah diterima di sekolah ini?
	untuk membagi siswa ke kelas yang telah dibuka bagian administrasi membagi berdasarkan NIS siswa yang terdaftar diurut berdasarkan kapasitas bangku perkelas.
<b>3</b>	Bagaimana pencatatan absensi siswa yang dilakukan oleh guru pada saat jam pelajaran berlangsung ?
	guru melakukan absensi siswa dengan memanggil nama siswa pada saat akhir jam pelajaran dan mencatatnya ke dalam form daftar persensi siswa, lalu menyerahkannya ke bagian akademik.
<b>4</b>	Bagaimana melakukan peng-inputan nilai ketika siswa selesai mengerjakan tugas, atau ulangan?
	Guru sudah membawa buku catatan nilai atau dapat mengambilnya di ruang guru ketika butuh untuk memasukkan nilai
<b>5</b>	Apa tindakan sekolah ketika menemukan siswa melanggar tata tertib dan peraturan sekolah?
	Pihak sekolah sudah menyiapkan langkah dari yang ringan hingga yang terberat, untuk contoh ringan sekolah memberi point ketika siswa melanggar. Dan batas maksimum poin ialah 200, dan itu sudah rawan Drop Out
<b>6</b>	Apa standart yang diterapkan sekolah untuk menumbuh kembangkan niat belajar siswa,hingga mencapai nilai yang diharapkan?
	Jaman sekarang era digital dan kami sadar betul, metode kami ialah “memforsir” siswa dalam tanya jawab. Dikarenakan berbagai informasi sangat mudah ditemukan di Internet
<b>7</b>	Apakah selain kegiatan belajar mengajar, siswa dapat mendapatkan nilai dari kegiatan di sekolah?

	Tentu, karena dengan mereka turut serta dalam kegiatan maka secara tidak langsung mereka juga belajar. Dan pihak sekolahpun menghargainya dengan memberikan reward berupa nilai
<b>8</b>	Bagaimana proses menjadwalkan Mata Pelajaran di awal tahun ajaran baru?
	Menjadwalkan mata pelajaran di awal yang baru, bagian wakasek kurikulum mengumpulkan daftar guru, daftar kelas, dan daftar mata pelajaran untuk disusun menjadi jadwal mata pelajaran.
<b>9</b>	Berapa batas siswa untuk tidak masuk sekolah baik itu Izin, Sakit, atau Alpha?
	Untuk yang Alpha sebanyak 27, bila seorang siswa terdapat 27 kali status alpha di absensinya dalam setahun maka akan di Drop Out, namun apabila Izin atau sakit diharuskan menyerahkan surat dan pihak sekolah akan konfirmasi.
<b>10</b>	Apakah SMAK Untung Suropati Sidoarjo menerapkan Full Day School?
	Tidak, untuk jadwal masuknya dari hari senin hingga kamis pukul 06.30 WIB – 13.15 WIB, Hari Jumat pukul 06.30 WIB – 11.30 WIB, dan Hari Sabtu pada pukul 06.30 WIB – 10.00 WIB
<b>11</b>	Apa yang mempengaruhi kelulusan seorang siswa?
	Dilihat dari nilai tentu saja yang utama, selain itu dari kehadiran, keaktifan di kelas dan juga kesopanan

## Lampiran 2 : Laporan Acuan Kerja

Form. KP- 5

### ACUAN KERJA (RANGKAP 3)

Nama Tempat Praktek (Bag/Divisi) : SMAK UNTUNG SUROPATI SIDOARJO

Nama Penyelia : Bpk Drs.Haryo Wikanadi

Jabatan Penyelia : Wakasek Humas

Alamat : Jalan Untung Suropati 33 Sidoarjo 61218

Telepon/Hp. : (031) - 8941551

Fax : (031) - 8941881

E-mail : smakunsur@gmail.com

Nama Mahasiswa : Andreas Churchill

NIM Mahasiswa : 07390100030

Telepon/Hp. : (0838) -31385498

Fax : (.....) - .....

E-mail : monsieur\_churchill@yahoo.co.id

Nama Dosen Pembimbing : Ignatius Adrian Mastan, S.E,S.Kom,MCP,MOS

Telepon/Hp. : (.....) - .....

Fax : (.....) - .....

E-mail : .....

Judul/Topik/Tema : Rancang Bangun Sistem Informasi Akademik Pada SMAK

Untung Suropati Sidoarjo

Uraian Singkat :

Membuat sistem informasi penilaian akademik yang terkomputerisasi meliputi , maintenance data siswa, data guru, data kelas, data mata pelajaran, penempatan dan penjurusan siswa pada kelas, penjadwalan mata pelajaran perkelas, pencatatan absensi siswa, dan penilaian akademik siswa, sehingga mempermudah guru maupun bagian akademik untuk memperoleh informasi dengan tepat, akurat dan cepat

Perkiraan Jangka Waktu : 10 Agustus 2012 s.d. 15 September 2012  
(dd-mm-yyyy)

Form. KP-5

No.	Waktu (hari dan jam)	Uraian Rencana Kerja
1	Minggu 1 Hari : Senin s.d Sabtu Jam : 06.30 s.d 13.30	Analisa sistem di SMAK Untung Suropati Sidoarjo
2	Minggu 2 Hari : Senin s.d Sabtu Jam : 06.30 s.d 13.30	Mendokumentasikan dan perancangan sistem di SMAK Untung Suropati Sidoarjo
3	Minggu 3 Hari : Senin s.d Sabtu Jam : 06.30 s.d 13.30	Pembuatan Aplikasi dan pembuatan laporan
4	Minggu 4 Hari : Senin s.d Sabtu Jam : 06.30 s.d 13.30	Implementasi aplikasi/program
5	Minggu 5 Hari : Senin s.d Sabtu Jam : 06.30 s.d 13.30	

Yang bertanda tangan di bawah ini menyatakan telah membaca dan memahami isi dari Acuan Kerja .

19 September 2012

Peserta Kerja Praktek,

Andreas Churchill



Drs. Harry Wikanadi

Dosen Pembimbing,

Jenatius Adrian Mastan, S.E.,S.Kom,MCP,MOS

### Lampiran 3 : Log Harian

Form. KP- 6

#### LOG HARIAN DAN CATATAN PERUBAHAN ACUAN KERJA

Halaman : Satu  
 Nama/NIM : Andreas Churchill/07390100030  
 Instansi/Bagian/Divisi : SMAK Untung Suropati Sidoarjo  
 Judul : Rancang Bangun Sistem Informasi Akademik Pada SMAK Untung  
 Suropati Sidoarjo

No.	Hari/Tanggal	Jam	Uraian / Catatan / Perubahan	Paraf <sup>a)</sup>
1	10 Agustus 2012	06.30-13.45	Analisa Sistem yang diprakatai;	Agus
2	11 Agustus 2012	06.30-13.45	Analisa Sistem yang diprakatai;	Agus
3	12 Agustus 2012	06.30-13.45	Pencatatan DFT13 Transaksi (pendeklarasi)	Agus
4	Selasa, 14 Agustus 2012	06.30-13.45	Pencatatan Detil 3 Transaksi (pendeklarasi)	Agus
5	Rabu, 15 Agustus 2012	06.30-13.45	Pembuatan Flow manual	Agus
6	Kamis, 16 Agustus 2012	06.30-13.45	Pembuatan Flow manual	Agus
7	Jumat, 17 Agustus 2012	06.30-13.45	pembuatan Sys Flow	Agus
8	Senin, 27 Agustus 2012	06.30-13.45	perancangan sistem yang terkomputerisas;	Agus
9	Selasa, 28 Agustus 2012	06.30-13.45	perancangan sistem yang terkomputerisas;	Agus
10	Rabu, 29 Agustus 2012	06.30-13.45	Pembuatan file 2 induk	Agus
11	Kamis, 30 Agustus 2012	06.30-13.45	Pembuatan file 2 induk	Agus
12	Jumat, 31 Agustus 2012	06.30-13.45	Pembuatan file 2 induk	Agus
13	Sabtu, 1 September 2012	06.30-13.45	pembuatan User Interface	Agus
14	Senin, 3 September 2012	06.30-13.45	Pembuatan user interface	Agus
15	Selasa, 4 September 2012	06.30-13.45	Pembuatan Aplikasi;	Agus
16	Rabu, 5 September 2012	06.30-13.45	pembuatan Aplikasi;	Agus
17	Kamis, 6 September 2012	06.30-13.45	pembuatan Aplikasi;	Agus
18	Jumat, 7 September 2012	06.30-13.45	pembuatan Aplikasi;	Agus
19	Sabtu, 8 September 2012	06.30-13.45	pembuatan Aplikasi;	Agus
20	Senin, 10 September 2012	06.30-13.45	pembuatan Aplikasi;	Agus
<b>Jumlah Jam</b>			<b>193 jam</b>	<b>Agus.</b>

<sup>a)</sup> Paraf dilakukan oleh penyelia atau orang yg mewakili dari perusahaan.

Peserta Kerja Praktek

Andreas Churchill  
Tanggal, Tandatangan, Nama  
Jelas

Penyelia

Drs. Harvo Wikanadi  
Tanggal, Tandatangan, Nama  
Jelas

Dosen Pembimbing

Ignatius Adrian Mastan, S.E.S.Kom, MCP, MOS  
Tanggal, Tandatangan, Nama Jelas

10/12

Form. KP- 6

## LOG HARIAN DAN CATATAN PERUBAHAN ACUAN KERJA

Halaman : ...  
 Nama/NIM : Andreas Churchill/07390100030  
 Instansi/Bagian/Divisi : SMAK Untung Suropati Sidoarjo  
 Judul : Rancang Bangun Sistem Informasi Akademik Pada SMAK Untung Suropati Sidoarjo

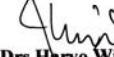
No.	Hari/Tanggal	Jam	Uraian / Catatan / Perubahan	Paraf <sup>(*)</sup>
1	Selasa, 11 September 2012	06.30 - 13.45	Pembuatan Laporan	Oyu
2	Rabu, 12 September 2012	06.30 - 13.45	Pembuatan Laporan	Oyu
3	Kamis, 13 September 2012	06.30 - 13.45	Pembuatan Laporan	Oyu
4	Jumat, 14 September 2012	06.30 - 13.45	Implementasi aplikasi	Oyu
5	Sabtu, 15 September 2012	06.30 - 13.45	Pengembangan Laporan	Oyu
6	Sehirin, 17 September 2012	06.30 - 13.45	Evaluasi	Oyu
7	Selasa, 18 September 2012	06.30 - 13.45	Evaluasi	Oyu
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
<b>Jumlah Jam</b>		193 jam		

(\*) Paraf dilakukan oleh penyelia atau orang yg mewakili dari perusahaan.

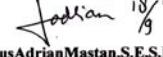
Peserta Kerja Praktek

  
**Andreas Churchill**  
 Tanggal, Tandatangan, Nama Jelas

Penelia

  
**Drs. Haryo Wikanadi**  
 Tanggal, Tandatangan, Nama Jelas

Dosen Pembimbing

  
**Ignatius Adrian Mastan, S.E., S.Kom, MCP, MOS**  
 Tanggal, Tandatangan, Nama Jelas

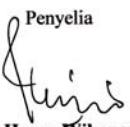
## Lampiran 4 : Kehadiran Kerja Praktek

Form. KP- 7

### KEHADIRAN KERJA PRAKTEK

Nama Instansi & Bagian/Divisi : SMAK Untung Suropati  
 Alamat Instansi : Jalan Untung Suropati No 33 Sidoarjo 61218  
 Contact Person/Telepon : 031-8941551  
 Topik/Judul KP : Rancang Bangun Sistem Informasi Akademik Pada SMAK Untung  
 Suropati Sidoarjo  
 Nama Mahasiswa : Andreas Churchill  
 NIM : 07390100030

TANGGAL	HARI	JAM	TANDA TANGAN		KETERANGAN
			MAHASISWA	PIHAK PERUSH.	
10 Agustus 2012	Jumat	06.30-13.45	Churchill	Rajah	
11 Agustus 2012	Sabtu	06.30-13.45	Churchill	Rajah	
13 Agustus 2012	Senin	06.30-13.45	Churchill	Rajah	
14 Agustus 2012	Selasa	06.30-13.45	Churchill	Rajah	
15 Agustus 2012	Rabu	06.30-13.45	Churchill	Rajah	
16 Agustus 2012	Kamis	06.30-13.45	Churchill	Rajah	
17 Agustus 2012	Jumat	06.30-13.45	Churchill	Rajah	
27 Agustus 2012	Senin	06.30-13.45	Churchill	Rajah	
28 Agustus 2012	Selasa	06.30-13.45	Churchill	Rajah	
29 Agustus 2012	Rabu	06.30-13.45	Churchill	Rajah	
30 Agustus 2012	Kamis	06.30-13.45	Churchill	Rajah	
31 Agustus 2012	Jumat	06.30-13.45	Churchill	Rajah	
1 September 2012	Sabtu	06.30-13.45	Churchill	Rajah	
3 September 2012	Senin	06.30-13.45	Churchill	Rajah	
4 September 2012	Selasa	06.30-13.45	Churchill	Rajah	
5 September 2012	Rabu	06.30-13.45	Churchill	Rajah	
6 September 2012	Kamis	06.30-13.45	Churchill	Rajah	
7 September 2012	Jumat	06.30-13.45	Churchill	Rajah	
8 September 2012	Sabtu	06.30-13.45	Churchill	Rajah	
10 September 2012	Senin	06.30-13.45	Churchill	Rajah	
11 September 2012	Selasa	06.30-13.45	Churchill	Rajah	

Penyelia  
  
Drs. Harvo Wikanadi



Form. KP- 7

## **KEHADIRAN KERJA PRAKTEK**

Nama Instansi & Bagian/Divisi : SMAK Untung Suropati  
Alamat Instansi : Jalan Untung Suropati No 33 Sidoarjo 61218  
Contact Person/Telepon : 031-8941551  
Topik/Judul KP : Rancang Bangun Sistem Informasi Akademik Pada SMAK Untung Suropati Sidoarjo  
Nama Mahasiswa : Andreas Churchill  
NIM : 07390100030

Penyelia

Drs. Harry Wikanadi



### Lampiran 5 : Kartu Bimbingan Kerja Praktek

<b>PPKP</b>		<b>KARTU BIMBINGAN KERJA PRAKTEK</b>		
Nama Instansi	SMAK Untung Suropati Sidoarjo			
Alamat Instansi	Jl. Untung Suropati No. 33, Kab. Sidoarjo			
Contact Person	Bpk. Haryo   0812.3196.406			
Judul Kerja Praktek	Rancang Bangun Sistem Informasi Akademik Pada SMAK Untung Suropati Sidoarjo			
Nama Mahasiswa	Andreas Churchill			
NIM	07.39010.0030			

<b>JADWAL BIMBINGAN</b>				
Tanggal	Jam	Materi Bimbingan	Tanda Tangan Mhs	Paraf Dosen
16/8/2012	16.00	Bab I & Bab II	Churchill	Fathian
30/8/2012	16.00	Revisi Bab I & Bab II	Churchill	Fathian
13/9/2012	16.00	Document Flow	Churchill	Fathian
19/9/2012	16.00	Revisi Doc Flow	Churchill	Fathian
21/9/2012	16.00	System Flow	Churchill	Fathian
22/9/2012	16.00	Revisi System Flow	Churchill	Fathian
24/9/2012	16.00	DFD	Churchill	Fathian
27/9/2012	16.00	Revisi DFD	Churchill	Fathian
1/10/2012	16.00	CDM, PDM	Churchill	Fathian
4/10/2012	16.00	Revisi CDM, PDM	Churchill	Fathian
6/10/2012	16.00	Revisi CDM, PDM	Churchill	Fathian

## Catatan :

Mahasiswa WAJIB memenuhi minimal 7x sesi bimbingan sesuai tabel yang disediakan di Kartu Bimbingan dengan Dosen Pembimbing, sebagai Prasyarat Kelulusan Kerja Praktek.

Surabaya, 22 November 2012

Menyetujui,  
Hasil Presentasi Laporan KP

1 - 110-2

 **Ignatius Adrian Mastan**  
Dosen Pembimbing KP

## Lampiran 6 : Listing Program

Form Login :

```

Imports System.Data.SqlClient
Public Class Login
    Dim Con As New SqlConnection
    Dim DR As SqlDataReader
    Dim Comm As New SqlCommand
    Dim User As String
    Dim Pass As String
    Dim Login_As As String
    Dim Pilih_Login As String = "1"
    Private Sub Login_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        Try
            Con.ConnectionString = koneksi
            If Con.State = ConnectionState.Closed Then
                Con.Open()
            End If
        Catch ex As Exception
        End Try
        CBO_Jabatan.Items.Clear()
        With CBO_Jabatan.Items
            .Add("Guru")
            .Add("Admin")
        End With
        TXT_User.Focus()
        Con.Close()
    End Sub

    Sub Login_Admin()
        User = TXT_User.Text
        Pass = TXT_Pass.Text
        Con.Open()
        Comm.Connection = Con
        Comm.CommandText = "Select * from Pengguna where Username ='" &
User & "' and Pwd ='" & Pass & "'"
        Comm.CommandType = CommandType.Text
        DR = Comm.ExecuteReader()

        If DR.HasRows Then
            DR.Read()
            Form_Utama.Lbl_StatusLogin.Text = " Anda login sebagai admin "
            Form_Utama.lbl_KdGuru.Text = " Username : " & DR.Item(0)
            Form_Utama.lbl_NamaGuru.Text = " Nama : " & DR.Item(1)
        End If
    End Sub

```

```

'Form_Utama.Lbl_StatusLogin.Visible = True
'Form_Utama.lbl_KdGuru.Visible = True
'Form_Utama.lbl_NamaGuru.Visible = True
Login_As = "Admin"
TXT_User.Text = ""
TXT_Pass.Text = ""
CBO_Jabatan.Text = ""
Load_Menu()
Me.Hide()
DR.Close()
Con.Close()
Else
    DR.Close()
    Con.Close()
    Login_Guru()
    'MsgBox("Username tidak ditemukan, pastikan username dan password
    anda benar !", MsgBoxStyle.Critical)
    TXT_User.Text = ""
    TXT_Pass.Text = ""
    CBO_Jabatan.Text = ""
    TXT_User.Focus()
End If

End Sub

Sub Load_Menu()
If Login_As = "Admin" Then
    Form_Utama.LoginMenuItem.Enabled = False
    Form_Utama.LogoutMenuItem.Enabled = True
    Form_Utama.SiswaMenuItem.Visible = True
    Form_Utama.GuruMenuItem.Visible = True
    Form_Utama.AkademisMenu.Visible = True
    Form_Utama.InputMaPelMenuItem.Visible = True
    Form_Utama.DataMaPelMenuItem.Visible = True
    Form_Utama.TransaksiMapelPerkelasToolStripMenuItem.Visible = True
    Form_Utama.CetakRekapMataPelajaranPerkelasToolStripMenuItem.Visible =
    True
    Form_Utama.InputJadwalToolStripMenuItem.Visible = True
    Form_Utama.DataJadwalPelajaranToolStripMenuItem.Visible = True
    Form_Utama.TransaksiAbsensiSiswaToolStripMenuItem.Visible = True
    Form_Utama.CetakRekapAbsensiSiswaToolStripMenuItem.Visible =
    True
    Form_Utama.TransaksiPenilaianSiswaToolStripMenuItem.Visible = False
    Form_Utama.AdminMenuItem.Visible = True
    Form_Utama.CetakDataRekaoNilaiToolStripMenuItem.Visible = False
    Form_Utama.CetakRaporSiswaToolStripMenuItem.Visible = False
    Form_Utama.Menu_TahunAjar.Visible = True
End If

```

```

ElseIf Login_As = "Guru" Then
    Form_Utama.LoginMenuItem.Enabled = False

Form_Utama.CetakRekapMataPelajaranPerkelasToolStripMenuItem.Enabled =
True
    Form_Utama.AkademisMenu.Visible = True
    Form_Utama.LoginMenuItem.Enabled = False
    Form_Utama.LogoutMenuItem.Enabled = True
    Form_Utama.SiswaMenuItem.Visible = True
    Form_Utama.GuruMenuItem.Visible = True
    Form_Utama.AdminMenuItem.Visible = True
End If
End Sub

Dim Kode_Guru As String

Sub Login_Guru()
    User = TXT_User.Text
    Pass = TXT_Pass.Text
    Con.Open()
    Comm.Connection = Con
    Comm.CommandText = "Select * from Guru where Kode_Guru =" & User
    & " and Password =" & Pass & ""
    Comm.CommandType = CommandType.Text
    DR = Comm.ExecuteReader
    If DR.HasRows Then
        DR.Read()
        Form_Utama.Lbl_StatusLogin.Text = "Anda login sebagai Guru "
        Form_Utama.lbl_KdGuru.Text = " Kode Guru : " & DR.Item(0)
        Form_Utama.lbl_NamaGuru.Text = " Nama : " & DR.Item(2)
        Form_Utama.Lbl_StatusLogin.Visible = True
        Form_Utama.lbl_KdGuru.Visible = True
        Form_Utama.lbl_NamaGuru.Visible = True
        Login_As = "Guru"
        TXT_User.Text = ""
        TXT_Pass.Text = ""
        CBO_Jabatan.Text = ""
        Load_Menu()
        Me.Hide()
    Else
        MsgBox("Username tidak ditemukan, pastikan username dan password anda benar !", MsgBoxStyle.Critical)
        TXT_User.Text = ""
        TXT_Pass.Text = ""
        CBO_Jabatan.Text = ""
        TXT_User.Focus()
    End If
End Sub

```

```

DR.Close()
Con.Close()
End Sub

Sub Logout()

    Form_Utama.LoginMenuItem.Enabled = True
    Form_Utama.LogoutMenuItem.Enabled = False

    Form_Utama.AkademisMenu.Visible = False
    Form_Utama.AdminMenuItem.Visible = False
    Form_Utama.Lbl_StatusLogin.Visible = False
    Form_Utama.lbl_KdGuru.Visible = False
    Form_Utama.lbl_NamaGuru.Visible = False

    Form_Utama.LoginMenuItem.Enabled = True
    Form_Utama.LogoutMenuItem.Enabled = False
    Form_Utama.SiswaMenuItem.Visible = False
    Form_Utama.GuruMenuItem.Visible = False
    Form_Utama.AkademisMenu.Visible = False
    Form_Utama.InputMaPelMenuItem.Visible = False
    Form_Utama.DataMaPelMenuItem.Visible = False
    Form_Utama.Menu_TahunAjar.Visible = False

    Form_Utama.TransaksiMapelPerkelasToolStripMenuItem.Visible = False
    Form_Utama.CetakRekapMataPelajaranPerkelasToolStripMenuItem.Visible
= False
    Form_Utama.InputJadwalToolStripMenuItem.Visible = False
    Form_Utama.DataJadwalPelajaranToolStripMenuItem.Visible = False
    Form_Utama.TransaksiAbsensiSiswaToolStripMenuItem.Visible = False
    Form_Utama.CetakRekapAbsensiSiswaToolStripMenuItem.Visible = False
End Sub

Private Sub BTN_Batal_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Batal.Click
    Me.Close()
End Sub

Private Sub BTN_Login_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Login.Click

    Login_Admin()

    End Sub
End Class

```

Form Utama :

```

Public Class Form_Utama

    Private Sub Form_Utama_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        LogoutMenuItem.Enabled = False
        ManajemenSiswaToolStripMenuItem.Enabled = False
        'GuruToolStripMenuItem.Enabled = False
        'KelasToolStripMenuItem.Enabled = False
        'PelajaranToolStripMenuItem.Enabled = False
        'AbsensiToolStripMenuItem.Enabled = False
        'NilaiToolStripMenuItem.Enabled = False
        Login.ShowDialog()
    End Sub

    Private Sub LoginMenuItem_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles LoginMenuItem.Click
        Login.Show()
    End Sub

    Private Sub LogoutMenuItem_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles LogoutMenuItem.Click
        Login.Logout()
        Login.Show()
        'LoginMenuItem.Enabled = True
    End Sub

    Private Sub InputDataSiswaToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs)
        Input_Data_Siswa.Show()
    End Sub

    Private Sub DataSiswaMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles DataSiswaMenuItem.Click
        Master_Siswa.Show()
    End Sub

    Private Sub InputGuruMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles InputGuruMenuItem.Click
        Data_Guru.Show()
    End Sub

    Private Sub DataGuruMenuItem_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles DataGuruMenuItem.Click
        Master_Data_Guru.Show()
    End Sub

```

```
Private Sub InputKelasMenuItem_Click(ByVal sender As System.Object,  
 ByVal e As System.EventArgs) Handles InputKelasMenuItem.Click  
     Data_Kelas.ShowDialog()  
End Sub
```

```
Private Sub InputAlokasiMenuItem_Click(ByVal sender As System.Object,  
 ByVal e As System.EventArgs) Handles InputAlokasiMenuItem.Click  
     Alokasi_Siswa_Perkelas.Show()  
End Sub
```

```
Private Sub DataAlokasiMenuItem_Click(ByVal sender As System.Object,  
 ByVal e As System.EventArgs) Handles DataAlokasiMenuItem.Click  
     Master_Alokasi_Kelas.Show()  
End Sub
```

```
Private Sub InputMaPelMenuItem_Click(ByVal sender As System.Object,  
 ByVal e As System.EventArgs) Handles InputMaPelMenuItem.Click  
     Data_Mata_Pelajaran.Show()  
End Sub
```

```
Private Sub InputJadwalToolStripMenuItem_Click(ByVal sender As  
 System.Object, ByVal e As System.EventArgs) Handles  
 InputJadwalToolStripMenuItem.Click  
     Input_Jadwal.Show()  
End Sub
```

```
Private Sub DataJadwalPelajaranToolStripMenuItem_Click(ByVal sender As  
 System.Object, ByVal e As System.EventArgs) Handles  
 DataJadwalPelajaranToolStripMenuItem.Click  
     Master_Jadwal_Mata_Pelajaran.Show()  
End Sub
```

```
Private Sub TransaksiAbsensiSiswaToolStripMenuItem_Click(ByVal sender  
 As System.Object, ByVal e As System.EventArgs) Handles  
 TransaksiAbsensiSiswaToolStripMenuItem.Click  
     Absensi.Show()  
End Sub
```

```
Private Sub CetakRekapAbsensiSiswaToolStripMenuItem_Click(ByVal sender  
 As System.Object, ByVal e As System.EventArgs) Handles  
 CetakRekapAbsensiSiswaToolStripMenuItem.Click  
     Absensi_Siswa.ShowDialog()  
End Sub
```

```
Private Sub TransaksiPenilaianSiswaToolStripMenuItem_Click(ByVal sender  
 As System.Object, ByVal e As System.EventArgs) Handles  
 TransaksiPenilaianSiswaToolStripMenuItem.Click
```

```
    Input_Nilai_Siswa.ShowDialog()
End Sub

Private Sub CetakDataRekaoNilaiToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
CetakDataRekaoNilaiToolStripMenuItem.Click
    Master_Nilai.ShowDialog()
End Sub

Private Sub CetakRaporSiswaToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
CetakRaporSiswaToolStripMenuItem.Click
    Master_Rapor.ShowDialog()
End Sub

Private Sub DataMaPelMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles DataMaPelMenuItem.Click
    Master_Mata_Pelajaran.ShowDialog()
End Sub

Private Sub RekapKelasMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles RekapKelasMenuItem.Click
    Master_Data_Kelas_dan_Wali_Kelas.ShowDialog()
End Sub

Private Sub MaintainSiswaMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MaintainSiswaMenuItem.Click
    Input_Data_Siswa.ShowDialog()
End Sub

Private Sub ExitMenuItem_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles ExitMenuItem.Click
    Me.Close()
End Sub

Private Sub TransaksiMapelPerkelasToolStripMenuItem_Click(ByVal sender
As System.Object, ByVal e As System.EventArgs) Handles
TransaksiMapelPerkelasToolStripMenuItem.Click
    Input_Mata_Pelajaran_Perkelas.ShowDialog()
End Sub

Private Sub
CetakRekapMataPelajaranPerkelasToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
CetakRekapMataPelajaranPerkelasToolStripMenuItem.Click
    Master_Mata_Pelajaran_Perkelas.ShowDialog()
End Sub
```

```

Private Sub Menu_TahunAjar_Click(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles Menu_TahunAjar.Click
    Data_Tahun_Ajaran.ShowDialog()
End Sub
End Class

```

Master Siswa :

```

Imports System.Data.SqlClient
Public Class Input_Data_Siswa
    Dim Con As New SqlConnection
    Dim Adapter As New SqlDataAdapter
    Dim DR As SqlDataReader
    Dim DS As New DataSet
    Dim Comm As New SqlCommand
    Dim Jenis_Kelamin, state_edit As String
    Dim Status_Kelas As String
    Dim i As Integer

```

```

Private Sub Input_Data_Siswa_Load(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles MyBase.Load

```

```

    Try
        Con.ConnectionString = koneksi
    Catch ex As Exception
        MsgBox("Kesalahan Koneksi", MsgBoxStyle.Critical)
    End Try

```

```

'CBO_TahunAjaran.Items.Clear()
'With CBO_TahunAjaran.Items
'    .Add("2009/2010")
'    .Add("2010/2011")
'    .Add("2011/2012")
'    .Add("2012/2013")
'    .Add("2013/2014")
'    .Add("2014/2015")
'    .Add("2015/2016")
'    .Add("2016/2017")
'End With
Tampil_CBO_TahunAjaran()

```

```

CBO_AgamaSiswa.Items.Clear()
With CBO_AgamaSiswa.Items
    .Add("Islam")
    .Add("Protestan")
    .Add("Katolik")
    .Add("Hindu")
    .Add("Budha")
    .Add("Kong Hucu")

```

End With

```
CBO_AgamaAyah.Items.Clear()
With CBO_AgamaAyah.Items
```

```
.Add("Islam")
.Add("Protestan")
.Add("Katolik")
.Add("Hindu")
.Add("Budha")
.Add("Kong Hucu")
```

End With

```
CBO_AgamaIbu.Items.Clear()
With CBO_AgamaIbu.Items
```

```
.Add("Islam")
.Add("Protestan")
.Add("Katolik")
.Add("Hindu")
.Add("Budha")
.Add("Kong Hucu")
```

End With

```
CBO_AgamaWali.Items.Clear()
With CBO_AgamaWali.Items
```

```
.Add("Islam")
.Add("Protestan")
.Add("Katolik")
.Add("Hindu")
.Add("Budha")
.Add("Kong Hucu")
```

End With

```
CBO_Status.Items.Clear()
With CBO_Status.Items
```

```
.Add("Ikut Orang Tua")
.Add("Kos/Kontrak")
.Add("Ikut Saudara/Kerabat")
```

End With

Dim maxyears, minyears As Integer

maxyears = Now.Year - 15

minyears = Now.Year - 18

'MsgBox(maxyears, MsgBoxStyle.Information)

DTP\_Tgl.MaxDate = DateSerial(maxyears, 12, 31)

DTP\_Tgl.MinDate = DateSerial(minyears, 1, 1)

```

Tampil()
End Sub

Sub Tampil_CBO_TahunAjaran()
    Con.Open()
    CBO_TahunAjaran.Items.Clear()
    DS.Clear()
    Adapter = New SqlDataAdapter("Select * from Tahun_Ajar where status
='Y'", Con)
    Adapter.Fill(DS, "Tahun_Ajar")
    CBO_TahunAjaran.Items.Clear()
    For i = 0 To DS.Tables("Tahun_Ajar").Rows.Count - 1

        CBO_TahunAjaran.Items.Add(DS.Tables("Tahun_Ajar").Rows(i)("Thn_Ajar"))
    Next
    Con.Close()
End Sub

Public Function GenerateKodePasien() As String
    Dim kode As String = vbNullString

    Try
        Con.Open()
        Comm.Connection = Con
        Comm.CommandText = "select NIS from Siswa WHERE NIS like "" &
CBO_TahunAjaran.Text.Substring(2, 2) & "%" & _
                    "order by 1 desc"
        Comm.CommandType = CommandType.Text
        DR = Comm.ExecuteReader
        If Not DR.HasRows Then
            Return CBO_TahunAjaran.Text.Substring(2, 2) & "0000001"
        Else
            DR.Read()
            kode = CBO_TahunAjaran.Text.Substring(2, 2)
            For x As Byte = Len(CStr(Val(Mid(DR(0).ToString, 3, 7)) + 1)) To 7
                If x = 7 Then Exit For
                kode &= "0"
            Next
            Return kode & Val(Mid(DR(0).ToString, 3, 7)) + 1
        End If
        Catch ex As Exception
            MsgBox(ex.ToString)
            Return vbNullString
        Finally
            DR.Close()
            Con.Close()
    End Try

```

End Function

```

Sub Tampil()
    Con.Open()
    If Not DS.Tables("Siswa") Is Nothing Then DS.Tables("Siswa").Clear()
    Adapter.SelectCommand = New SqlCommand("select * from siswa", Con)
    Adapter.Fill(DS, "Siswa")
    DGV_Siswa.DataSource = DS.Tables("Siswa")
    TXT_NIS.Focus()
    Con.Close()
End Sub

Sub Bersih()
    state_edit = ""
    CBO_TahunAjaran.Text = ""
    TXT_NIS.Text = ""
    TXT_NIS.Enabled = True
    TXT_NIS.Focus()
    TXT_Tempat.Text = ""
    TXT_AlamatSiswa.Text = ""
    TXT_Asal.Text = ""
    TXT_NamaSiswa.Text = ""
    TXT_NoTelpHP_Siswa.Text = ""
    CBO_AgamaSiswa.SelectedIndex = -1
    CBO_TahunAjaran.SelectedIndex = -1
    CBO_Status.SelectedIndex = -1
    DTP_Tgl.Value = DTP_Tgl.MaxDate
    RBO_L.Checked = False
    RBO_P.Checked = False

    TXT_NamaAyah.Text = ""
    TXT_AlamatAyah.Text = ""
    TXT_NoTelpHP_Ayah.Text = ""
    TXT_PekerjaanAyah.Text = ""
    CBO_AgamaAyah.Text = ""

    TXT_NamaIbu.Text = ""
    TXT_AlamatIbu.Text = ""
    TXT_NoTelpHP_Ibu.Text = ""
    TXT_PekerjaanIbu.Text = ""
    CBO_AgamaIbu.Text = ""

    TXT_NamaWali.Text = ""
    TXT_AlamatWali.Text = ""
    TXT_NoTelpHP_Wali.Text = ""
    TXT_PekerjaanWali.Text = ""
    CBO_AgamaWali.Text = ""
    BTN_Simpan.Enabled = True

```

```

    BTN_Ubah.Enabled = False
End Sub

Private Sub BTN_Simpan_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Simpan.Click
    If TXT_NIS.Text = "" Then
        MsgBox("Inputkan NIS", MsgBoxStyle.Information, "Konfirmasi")
        TXT_NIS.Focus()
        Exit Sub
    End If

    Status_Kelas = "Baru"

    If RBO_L.Checked Then
        Jenis_Kelamin = "L"
    ElseIf RBO_P.Checked Then
        Jenis_Kelamin = "P"
    End If

    Con.Open()
    Comm = New SqlCommand("insert into siswa values ('" & TXT_NIS.Text
& "','" & TXT>NamaSiswa.Text & "','" & TXT_AlamatSiswa.Text & "','" &
TXT_Tempat.Text & "','" & Format(DTP_Tgl.Value, "MM/dd/yyyy") & "','" &
Jenis_Kelamin & "','" & CBO_AgamaSiswa.Text & "','" &
TXT_NoTelpHP_Siswa.Text & "','" & CBO_TahunAjaran.Text & "','" &
TXT_Asal.Text & "','" & CBO_Status.Text & "','" & Status_Kelas & "')", Con)
    Comm.ExecuteNonQuery()
    MsgBox("Data Siswa berhasil disimpan", MsgBoxStyle.Information)
    Con.Close()
    Tampil()

    Con.Open()
    Comm = New SqlCommand("insert into Detil_Siswa values ('" &
TXT_NIS.Text & "','" & TXT>NamaAyah.Text & "','" &
TXT_AlamatAyah.Text & "','" & TXT_NoTelpHP_Ayah.Text & "','" &
TXT_PekerjaanAyah.Text & "','" & CBO_AgamaAyah.Text & "','" &
TXT>NamaIbu.Text & "','" & TXT_AlamatIbu.Text & "','" &
TXT_NoTelpHP_Ibu.Text & "','" & TXT_PekerjaanIbu.Text & "','" &
CBO_AgamaAyah.Text & "','" & TXT>NamaWali.Text & "','" &
TXT_AlamatWali.Text & "','" & TXT_NoTelpHP_Wali.Text & "','" &
TXT_PekerjaanWali.Text & "','" & CBO_AgamaWali.Text & "')", Con)
    Comm.ExecuteNonQuery()
    MsgBox("Data Detil Siswa berhasil disimpan", MsgBoxStyle.Information)
    Con.Close()
    Bersih()
    Try
        Con.Open()
    
```

```

    ' Comm = New SqlCommand("insert into siswa values ('' &
    TXT_NIS.Text & '' ,'' & TXT_NamaSiswa.Text & '' ,'' &
    TXT_AlamatSiswa.Text & '' ,'' & TXT_Tempat.Text & '' ,'' &
    Format(DTP_Tgl.Value, "MM/dd/yyyy") & '' ,'' & Jenis_Kelamin & '' ,'' &
    CBO_AgamaSiswa.Text & '' ,'' & TXT_NoTelpHP_Siswa.Text & '' ,'' &
    CBO_TahunAjaran.Text & '' ,'' & TXT_Asal.Text & '' ,'' & CBO_Status.Text &
    '' ,'' & Status_Kelas & '')", Con)
    ' Comm.ExecuteNonQuery()
    ' MsgBox("Data Siswa berhasil disimpan", MsgBoxStyle.Information)
    ' Con.Close()
    ' Tampil()

'Catch ex As Exception

    ' MsgBox("NIS sudah ada")
    ' Con.Close()
End Try
Try
    ' Con.Open()
    ' Comm = New SqlCommand("insert into Detil_Siswa values ('' &
    TXT_NIS.Text & '' ,'' & TXT_NamaAyah.Text & '' ,'' &
    TXT_AlamatAyah.Text & '' ,'' & TXT_NoTelpHP_Ayah.Text & '' ,'' &
    TXT_PekerjaanAyah.Text & '' ,'' & CBO_AgamaAyah.Text & '' ,'' &
    TXT>NamaIbu.Text & '' ,'' & TXT_AlamatIbu.Text & '' ,'' &
    TXT_NoTelpHP_Ibu.Text & '' ,'' & TXT_PekerjaanIbu.Text & '' ,'' &
    CBO_AgamaAyah.Text & '' ,'' & TXT>NamaWali.Text & '' ,'' &
    TXT_AlamatWali.Text & '' ,'' & TXT_NoTelpHP_Wali.Text & '' ,'' &
    TXT_PekerjaanWali.Text & '' ,'' & CBO_AgamaWali.Text & '')", Con)
    ' Comm.ExecuteNonQuery()
    ' MsgBox("Data Detil Siswa berhasil disimpan",
    MsgBoxStyle.Information)
    ' Bersih()
    ' Con.Close()
'Catch ex As Exception
    ' Con.Close()
    ' MsgBox(ex.ToString)
'End Try
End Sub

Private Sub BTN_Keluar_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Keluar.Click
    Bersih()
    Con.Close()
    Me.Close()
End Sub

Private Sub BTN_Bersih_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Bersih.Click

```

```

Bersih()
End Sub

Private Sub CBO_TahunAjaran_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
CBO_TahunAjaran.SelectedIndexChanged
If CBO_TahunAjaran.Text = "" Or CBO_TahunAjaran.Text = vbNullString
Then

Else
If state_edit <> "Y" Then
    TXT_NIS.Text = GenerateKodePasien()
Else

End If
End If

End Sub

Private Sub TXT>NamaSiswa_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles
TXT>NamaSiswa.KeyPress
Select Case Asc(e.KeyChar)
Case 65 To 90 'dari A-Z
    'Case 48 To 57 'dari 0-9
    e.Handled = False
Case 97 To 122 'dari a-z
    e.Handled = False
Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
    e.Handled = False
Case Else
    e.Handled = True
End Select
End Sub

Private Sub TXT_Tempat_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles TXT_Tempat.KeyPress
Select Case Asc(e.KeyChar)
Case 65 To 90 'dari A-Z
    'Case 48 To 57 'dari 0-9
    e.Handled = False
Case 97 To 122 'dari a-z
    e.Handled = False
Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
    e.Handled = False

```

```
Case Else  
    e.Handled = True  
End Select  
End Sub
```

```
Private Sub TXT_NoTelpHP_Siswa_KeyPress(ByVal sender As Object, ByVal  
e As System.Windows.Forms.KeyPressEventArgs) Handles  
TXT_NoTelpHP_Siswa.KeyPress  
    Select Case Asc(e.KeyChar)  
        Case 48 To 57 'dari 0-9  
            e.Handled = False  
        Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma  
            e.Handled = False  
        Case Else  
            e.Handled = True  
    End Select  
End Sub
```

```
Private Sub TXT_NamaAyah_KeyPress(ByVal sender As Object, ByVal e As  
System.Windows.Forms.KeyPressEventArgs) Handles  
TXT_NamaAyah.KeyPress  
    Select Case Asc(e.KeyChar)  
        Case 65 To 90 'dari A-Z  
        'Case 48 To 57 'dari 0-9  
            e.Handled = False  
        Case 97 To 122 ' dari a-z  
            e.Handled = False  
        Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma  
            e.Handled = False  
        Case Else  
            e.Handled = True  
    End Select  
End Sub
```

```
Private Sub TXT_NoTelpHP_Ayah_KeyPress(ByVal sender As Object, ByVal  
e As System.Windows.Forms.KeyPressEventArgs) Handles  
TXT_NoTelpHP_Ayah.KeyPress  
    Select Case Asc(e.KeyChar)  
        Case 48 To 57 'dari 0-9  
            e.Handled = False  
        Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma  
            e.Handled = False  
        Case Else  
            e.Handled = True  
    End Select  
End Sub
```

```
Private Sub TXT_NamaIbu_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles TXT_NamaIbu.KeyPress
```

```
    Select Case Asc(e.KeyChar)
```

```
        Case 65 To 90 'dari A-Z
```

```
        'Case 48 To 57 'dari 0-9
```

```
        e.Handled = False
```

```
        Case 97 To 122 ' dari a-z
```

```
        e.Handled = False
```

```
        Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
```

```
        e.Handled = False
```

```
        Case Else
```

```
            e.Handled = True
```

```
    End Select
```

```
End Sub
```

```
Private Sub TXT_NoTelpHP_Ibu_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles
TXT_NoTelpHP_Ibu.KeyPress
```

```
    Select Case Asc(e.KeyChar)
```

```
        Case 48 To 57 'dari 0-9
```

```
        e.Handled = False
```

```
        Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
```

```
        e.Handled = False
```

```
        Case Else
```

```
            e.Handled = True
```

```
    End Select
```

```
End Sub
```

```
Private Sub TXT_NamaWali_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles TXT_NamaWali.KeyPress
```

```
    Select Case Asc(e.KeyChar)
```

```
        Case 65 To 90 'dari A-Z
```

```
        'Case 48 To 57 'dari 0-9
```

```
        e.Handled = False
```

```
        Case 97 To 122 ' dari a-z
```

```
        e.Handled = False
```

```
        Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
```

```
        e.Handled = False
```

```
        Case Else
```

```
            e.Handled = True
```

```
    End Select
```

```
End Sub
```

```
Private Sub TXT_NoTelpHP_Wali_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles
TXT_NoTelpHP_Wali.KeyPress
```

```
    Select Case Asc(e.KeyChar)
```

```
        Case 48 To 57 'dari 0-9
```

```

        e.Handled = False
Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
        e.Handled = False
Case Else
        e.Handled = True
End Select
End Sub

Private Sub DGV_Siswa_CellContentClick(ByVal sender As System.Object,
ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles
DGV_Siswa.CellContentClick

End Sub

Private Sub DGV_Siswa_CellDoubleClick(ByVal sender As Object, ByVal e
As System.Windows.Forms.DataGridViewCellEventArgs) Handles
DGV_Siswa.CellDoubleClick
    state_edit = "Y"
    With DGV_Siswa

        TXT_NIS.Text = .Rows(.CurrentCell.RowIndex).Cells(0).Value

    End With

    Con.Open()
    Comm.Connection = Con
    Comm.CommandText = "Select * from Siswa where NIS ='" &
TXT_NIS.Text & "'"
    Comm.CommandType = CommandType.Text
    DR = Comm.ExecuteReader

    If DR.HasRows Then
        DR.Read()
        TXT_NIS.Text = DR.Item(0)
        TXT_NamaSiswa.Text = DR.Item(1)
        TXT_AlamatSiswa.Text = DR.Item(2)
        TXT_Tempat.Text = DR.Item(3)
        DTP_Tgl.Value = DR.Item(4)

        If DR.Item(5) = "L" Then
            RBO_L.Checked = True
        ElseIf DR.Item(5) = "P" Then
            RBO_P.Checked = True
        End If
        CBO_AgamaSiswa.Text = DR.Item(6)
        TXT_NoTelpHP_Siswa.Text = DR.Item(7)
    End If
End Sub

```

```

CBO_TahunAjaran.Text = DR.Item(8)
TXT_Asal.Text = DR.Item(9)
CBO_Status.Text = DR.Item(10)

BTN_Ubah.Enabled = True
BTN_Simpan.Enabled = False
'BTN_Hapus.Enabled = True

Else
    MsgBox("Data tidak ada, pastikan NIS telah diisi dan benar ?")
End If
DR.Close()
Con.Close()

Con.Open()
Comm.Connection = Con
Comm.CommandText = "Select * from Detil_Siswa where NIS ='" &
TXT_NIS.Text & "'"
Comm.CommandType = CommandType.Text
DR = Comm.ExecuteReader

If DR.HasRows Then
    DR.Read()

    TXT>NamaAyah.Text = DR.Item(1)
    TXT_AlamatAyah.Text = DR.Item(2)
    TXT_NoTelpHP_Ayah.Text = DR.Item(3)
    TXT_PekerjaanAyah.Text = DR.Item(4)
    CBO_AgamaAyah.Text = DR.Item(5)

    TXT>NamaIbu.Text = DR.Item(6)
    TXT_AlamatIbu.Text = DR.Item(7)
    TXT_NoTelpHP_Ibu.Text = DR.Item(8)
    TXT_PekerjaanIbu.Text = DR.Item(9)
    CBO_AgamaIbu.Text = DR.Item(10)

    TXT>NamaWali.Text = DR.Item(11)
    TXT_AlamatWali.Text = DR.Item(12)
    TXT_NoTelpHP_Wali.Text = DR.Item(13)
    TXT_PekerjaanWali.Text = DR.Item(14)
    CBO_AgamaWali.Text = DR.Item(15)

Else
    MsgBox("Data Detil Siswa Tidak Ada !")
End If
DR.Close()

```

```

        Con.Close()
    End Sub

    Private Sub BTN_Ubah_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Ubah.Click
        If RBO_L.Checked Then
            Jenis_Kelamin = "L"
        ElseIf RBO_P.Checked Then
            Jenis_Kelamin = "P"
        End If
        Con.Open()
        Comm = New SqlCommand("Update siswa set Nama=""" &
TXT_NamaSiswa.Text & "", Tempat_Lahir=""" & TXT_Tempat.Text & "",
Tgl_Lahir=""" & Format(DTP_Tgl.Value, "MM/dd/yyyy") & "", Jenis_Kelamin ="""
& Jenis_Kelamin & "", Alamat=""" & TXT_AlamatSiswa.Text & "", Asal_Sekolah
=""" & TXT_Asal.Text & "", Telp=""" & TXT_NoTelpHP_Siswa.Text & "",
Agama=""" & CBO_AgamaSiswa.Text & "", Status_Tinggal=""" &
CBO_Status.Text & "" where NIS=""" & TXT_NIS.Text & """", Con)
        Comm.ExecuteNonQuery()
        MsgBox("Data Siswa Berhasil Di Update", MsgBoxStyle.Information)
        Con.Close()

        Try
            Con.Open()
            Comm = New SqlCommand("Update siswa set Nama=""" &
TXT_NamaSiswa.Text & "", Tempat_Lahir_Siswa=""" & TXT_TempatLahir.Text
& "", TglLahir_Siswa=""" & Format(DTP_TglLahir.Value, "MM/dd/yyyy") &
""", Jenis_Kelamin_Siswa=""" & Jenis_Kelamin & "", Alamat_Siswa=""" &
TXT_AlamatSiswa.Text & "", Asal_Sekolah=""" & TXT_Asal.Text & "",
NoTelp/HP_Siswa=""" & TXT_NoTelpHP_Siswa.Text & "", Agama_Siswa=""" &
CBO_AgamaSiswa.Text & "", Status_Tinggal_Siswa=""" & CBO_Status.Text & """
where NIS=""" & TXT_NIS.Text & """", Con)
            Comm.ExecuteNonQuery()
            MsgBox("Data Siswa Berhasil Di Update", MsgBoxStyle.Information)
            Con.Close()

        Catch ex As Exception
            MsgBox("Gagal mengupdate data !!!", MsgBoxStyle.Information)
        End Try
        Con.Open()
        Comm = New SqlCommand("Update Detil_Siswa set Nama_Ayah=""" &
TXT_NamaAyah.Text & "", Alamat_Ayah=""" & TXT_AlamatAyah.Text & "",
Telp_Ayah=""" & TXT_NoTelpHP_Ayah.Text & "", Pekerjaan_Ayah=""" &
TXT_PekerjaanAyah.Text & "", Agama_Ayah=""" & CBO_AgamaAyah.Text &
"""", Nama_Ibu=""" & TXT_NamaIbu.Text & "", Alamat_Ibu=""" &
TXT_AlamatIbu.Text & "", Telp_Ibu=""" & TXT_NoTelpHP_Ibu.Text & "",
Pekerjaan_Ibu=""" & TXT_PekerjaanIbu.Text & "", Agama_Ibu=""" &
CBO_AgamaIbu.Text & "", Nama_Wali=""" & TXT_NamaWali.Text & """",

```

```

Alamat_Wali ="" & TXT_AlamatWali.Text & "", Telp_Wali="" &
TXT_NoTelpHP_Wali.Text & "", Pekerjaan_Wali ="" &
TXT_PekerjaanWali.Text & "", Agama_Wali ="" & CBO_AgamaWali.Text & ""
where NIS="" & TXT_NIS.Text & "", Con)

```

```

    Comm.ExecuteNonQuery()
    MsgBox("Data Detil Siswa Berhasil Di Update", MsgBoxStyle.Information)
    Con.Close()
    Bersih()
    Tampil()
End Sub

```

```

Private Sub TXT_PekerjaanAyah_KeyPress(ByVal sender As Object, ByVal e
As System.Windows.Forms.KeyPressEventArgs) Handles

```

```

    TXT_PekerjaanAyah.KeyPress
    Select Case Asc(e.KeyChar)
        Case 65 To 90 'dari A-Z
            'Case 48 To 57 'dari 0-9
            e.Handled = False
        Case 97 To 122 ' dari a-z
            e.Handled = False
        Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
            e.Handled = False
        Case Else
            e.Handled = True
    End Select
End Sub

```

```

Private Sub TXT_PekerjaanIbu_KeyPress(ByVal sender As Object, ByVal e
As System.Windows.Forms.KeyPressEventArgs) Handles

```

```

    TXT_PekerjaanIbu.KeyPress
    Select Case Asc(e.KeyChar)
        Case 65 To 90 'dari A-Z
            'Case 48 To 57 'dari 0-9
            e.Handled = False
        Case 97 To 122 ' dari a-z
            e.Handled = False
        Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
            e.Handled = False
        Case Else
            e.Handled = True
    End Select
End Sub

```

```

Private Sub TXT_PekerjaanWali_KeyPress(ByVal sender As Object, ByVal e
As System.Windows.Forms.KeyPressEventArgs) Handles

```

```

    TXT_PekerjaanWali.KeyPress
    Select Case Asc(e.KeyChar)
        Case 65 To 90 'dari A-Z

```

STIK SURABAYA

```

'Case 48 To 57 'dari 0-9
e.Handled = False
Case 97 To 122 ' dari a-z
e.Handled = False
Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
e.Handled = False
Case Else
e.Handled = True
End Select
End Sub

End Class

```

Cetak Master Siswa :

```

Imports System.Data.SqlClient
Public Class Cari_Siswa
Dim Con As New SqlConnection
Dim Adapter As New SqlDataAdapter
Dim DR As SqlDataReader
Dim DS, DS1 As New DataSet
Dim Comm As SqlCommand
Dim i As Integer
Dim Status_Kelas As String = "Baru"
Public Pilihan As String = ""

Private Sub Master_Siswa_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
Try
Con.ConnectionString = koneksi
'Con.Open()
Catch ex As Exception
MsgBox(ex.Message)
End Try
'CBO_TahunMasuk.Items.Clear()
With CBO_TahunMasuk.Items
'.Add("2009/2010")
'.Add("2010/2011")
'.Add("2011/2012")
'.Add("2012/2013")
'.Add("2013/2014")
'.Add("2014/2015")
'.Add("2015/2016")
'.Add("2016/2017")
End With
Tampil_CBO_TahunAjaran()
Tampil_BerdasarkanTahunMasuk()
End Sub

```

```

Sub Tampil_CBO_TahunAjaran()
    Con.Open()
    CBO_TahunMasuk.Items.Clear()
    DS1.Clear()
    Adapter = New SqlDataAdapter("Select * from Tahun_Ajar where status
='Y'", Con)
    Adapter.Fill(DS1, "Tahun_Ajar")
    CBO_TahunMasuk.Items.Clear()
    For i = 0 To DS1.Tables("Tahun_Ajar").Rows.Count - 1

        CBO_TahunMasuk.Items.Add(DS1.Tables("Tahun_Ajar").Rows(i)("Thn_Ajar"))
    Next
    Con.Close()
End Sub
Sub Tampil()
    Con.Open()
    DS.Clear()
    Adapter.SelectCommand = New SqlCommand("select * from siswa", Con)
    Adapter.Fill(DS)
    DGV_Siswa.DataSource = DS.Tables(0)
    Con.Close()
End Sub

Sub Tampil_BerdasarkanNIS()
    Try
        Con.Open()
        DS.Clear()
        Adapter.SelectCommand = New SqlCommand("select * from Siswa
where NIS like '" & TXT_CariNIS.Text & "%" & "'", Con)
        Adapter.Fill(DS)
        DGV_Siswa.DataSource = DS.Tables(0)
        Con.Close()
    Catch ex As Exception
        Con.Close()
    End Try
End Sub

Sub Tampil_BerdasarkanTahunMasuk()
    Try
        Con.Open()
        DS.Clear()
        Adapter.SelectCommand = New SqlCommand("select * from Siswa
where Tahun_Ajaran_Masuk ='" & CBO_TahunMasuk.Text & "'", Con)
        Adapter.Fill(DS)
        DGV_Siswa.DataSource = DS.Tables(0)
        Con.Close()
    Catch ex As Exception

```

```

    End Try
End Sub

Sub Tampil_BerdasarkanTahunMasuk_NIS()
Try
    Con.Open()
    DS.Clear()
    Adapter.SelectCommand = New SqlCommand("select * from Siswa
where TAHUN_MASUK_AJARAN ='" & CBO_TahunMasuk.Text & "' and NIS
like '" & TXT_CariNIS.Text & "%" & "'", Con)
    Adapter.Fill(DS)
    DGV_Siswa.DataSource = DS.Tables(0)
    Con.Close()
    Catch ex As Exception

        End Try
    End Sub

Private Sub CB_CariNIS_CheckedChanged(ByVal sender As System.Object,
 ByVal e As System.EventArgs) Handles CB_CariNIS.CheckedChanged
If CB_CariNIS.Checked = True Then
    CB_CariTahun.Checked = False
    TXT_CariNIS.Enabled = True
    TXT_CariNIS.Focus()
ElseIf CB_CariNIS.Checked = False Then
    TXT_CariNIS.Text = ""
    TXT_CariNIS.Enabled = False
    DS.Clear()
End If
End Sub

Private Sub TXT_CariNIS_TextChanged(ByVal sender As System.Object,
 ByVal e As System.EventArgs) Handles TXT_CariNIS.TextChanged
Tampil_BerdasarkanNIS()
If TXT_CariNIS.Text = "" And CBO_TahunMasuk.Enabled = False Then
    DS.Clear()
ElseIf TXT_CariNIS.Text = "" And CBO_TahunMasuk.Enabled = True
Then
    Tampil_BerdasarkanTahunMasuk()
End If
End Sub

Private Sub BTN_Keluar_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Keluar.Click
    Con.Close()
    Me.Close()
End Sub

```

```

Private Sub CB_CariTahun_CheckedChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
CB_CariTahun.CheckedChanged
    If CB_CariTahun.Checked = True Then
        CB_CariNIS.Checked = False
        CBO_TahunMasuk.Enabled = True
    ElseIf CB_CariTahun.Checked = False Then
        CBO_TahunMasuk.Text = ""
        CBO_TahunMasuk.Enabled = False
        DS.Clear()
    End If
End Sub

```

```

Private Sub CBO_TahunMasuk_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
CBO_TahunMasuk.SelectedIndexChanged
    Tampil_BerdasarkanTahunMasuk()
End Sub

```

```

Function X_NVL(ByVal xString As Object, ByVal xPengganti As String) As
String
    If IsDBNull(xString) Then
        Return xPengganti
    Else
        Return xString
    End If
End Function

```

```

Private Sub DGV_Siswa_CellDoubleClick(ByVal sender As Object, ByVal e
As System.Windows.Forms.DataGridViewCellEventArgs) Handles
DGV_Siswa.CellDoubleClick
    If Pilihan = "Alokasi_Siswa" Then
        If Not
IsDBNull(DGV_Siswa.Rows(DGV_Siswa.CurrentRow.Index).Cells(0).Value)
Then
            With Alokasi_Siswa_Perkelas
                .TXT_NIS.Text =
X_NVL(DGV_Siswa.Rows(DGV_Siswa.CurrentRow.Index).Cells(0).Value, "")
                .TXT_Nama.Text =
X_NVL(DGV_Siswa.Rows(DGV_Siswa.CurrentRow.Index).Cells(1).Value, "")
            End With
            Me.Close()
        End If
    ElseIf Pilihan = "Nilai" Then
        End If
    End Sub

```

End Class

### Master Data Guru :

```

Imports System.Data.SqlClient
Public Class Data_Guru
    Dim Con As New SqlConnection
    Dim Adapter As New SqlDataAdapter
    Dim DR As SqlDataReader
    Dim DS As New DataSet
    Dim Comm As New SqlCommand
    Dim Status_Guru, status_edit As String

    Sub Tampil()
        Con.Open()
        DS.Clear()
        Adapter.SelectCommand = New SqlCommand("select * from Guru order by
Kode_Guru", Con)
        Adapter.Fill(DS)
        DGV_Guru.DataSource = DS.Tables(0)
        TXT_NIP.Focus()
        Con.Close()
    End Sub

    'BTN_Ubah+Simpan gak berfungsi saat di debug ketika mencari data
    Sub Bersih()
        TXT_KodeGuru.Text = GenerateKodePasien()
        RBO_L.Checked = False
        RBO_P.Checked = False
        CBO_Studi.Text = ""
        CBO_Agama.Text = ""
        CBO_StatusMengajar.Text = ""
        TXT_TempatLahir.Text = ""
        TXT_AlamatGuru.Text = ""
        TXT_NamaGuru.Text = ""
        TXT_NoTelpHP_Guru.Text = ""
        DTP_TglLahir.Value = DTP_TglLahir.MaxDate
        'TXT_KodeGuru.Enabled = True
        'TXT_KodeGuru.Focus()
        BTN_Ubah.Enabled = False
        BTN_Hapus.Enabled = False
        TXT_NIP.Text = ""
        BTN_Simpan.Enabled = True
    End Sub

    Sub Bersih_DataTidakAda()
        RBO_L.Checked = False
        RBO_P.Checked = False
    
```

```

CBO_Studi.Text = ""
CBO_Agama.Text = ""
CBO_StatusMengajar.Text = ""
TXT_TempatLahir.Text = ""
TXT_AlamatGuru.Text = ""
TXT_NamaGuru.Text = ""
TXT_NoTelpHP_Guru.Text = ""
DTP_TglLahir.Value = Now
TXT_KodeGuru.Enabled = True
TXT_KodeGuru.Focus()
BTN_Ubah.Enabled = False
BTN_Hapus.Enabled = False
TXT_NIP.Text = ""
BTN_Simpan.Enabled = True
End Sub
Public Function GenerateKodePasien() As String
    Dim kode As String = vbNullString

    Try
        Con.Open()
        Comm.Connection = Con
        Comm.CommandText = "select Kode_Guru from Guru WHERE
Kode_Guru like 'GR%' " & _
                    "order by 1 desc"
        Comm.CommandType = CommandType.Text
        DR = Comm.ExecuteReader
        If Not DR.HasRows Then
            Return "GR0000001"
        Else
            DR.Read()
            kode = "GR"
            For x As Byte = Len(CStr(Val(Mid(DR(0).ToString, 3, 7)) + 1)) To 7
                If x = 7 Then Exit For
                kode &= "0"
            Next
            Return kode & Val(Mid(DR(0).ToString, 3, 7)) + 1
        End If
    Catch ex As Exception
        MsgBox(ex.ToString)
        Return vbNullString
    Finally
        DR.Close()
        Con.Close()
    End Try
End Function
Private Sub Data_Guru_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    Try

```

```
Con.ConnectionString = koneksi
Con.Open()
```

```
Catch ex As Exception
```

```
End Try
CBO_Studi.Items.Clear()
CBO_StatusMengajar.Items.Clear()
With CBO_Studi.Items
    .Add("Pendidikan Agama")
    .Add("Kewarganegaraan")
    .Add("Bahasa Indonesia")
    .Add("Bahasa Inggris")
    .Add("Matematika")
    .Add("Kesenian")
    .Add("Penjaskes")
    .Add("Sejarah")
    .Add("Geografi")
    .Add("Ekonomi")
    .Add("Akuntansi")
    .Add("Sosiologi")
    .Add("Fisika")
    .Add("Kimia")
    .Add("Biologi")
    .Add("TIK")
    .Add("Bahasa Jepang")
    .Add("Kebaharian")
    .Add("Bimbingan Konseling")
    .Add("Bahasa Daerah")
End With
```

```
With CBO_StatusMengajar.Items
    .Add("Aktif")
    .Add("Pensiun")
End With
```

```
CBO_Agama.Items.Clear()
With CBO_Agama.Items
    .Add("Islam")
    .Add("Protestan")
    .Add("Katolik")
    .Add("Hindu")
    .Add("Budha")
    .Add("Kong Hucu")
End With
```

```
Con.Close()
TXT_KodeGuru.Text = GenerateKodePasien()
Dim maxyears, minyears As Integer
```

```

maxyears = Now.Year - 20
minyears = Now.Year - 18
'MsgBox(maxyears, MsgBoxStyle.Information)
DTP_TglLahir.MaxDate = DateSerial(maxyears, 12, 31)
Tampil()
End Sub
Dim Jenis_Kelamin, Password As String
Private Sub BTN_Simpan_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Simpan.Click
    If TXT_KodeGuru.Text = "" Then
        MsgBox("Masukkan Kode Guru !", MsgBoxStyle.Information,
"Konfirmasi")
        TXT_KodeGuru.Focus()
        Exit Sub
    ElseIf TXT_NIP.Text = "" Then
        MsgBox("Masukkan NIP Guru !", MsgBoxStyle.Information,
"Konfirmasi")
        TXT_NIP.Focus()
        Exit Sub
    ElseIf TXT_NamaGuru.Text = "" Then
        MsgBox("Masukkan Nama Guru !", MsgBoxStyle.Information,
"Konfirmasi")
        TXT_NamaGuru.Focus()
        Exit Sub
    ElseIf RBO_L.Checked = False And RBO_P.Checked = False Then
        MsgBox("Silahkan pilih Jenis Kelamin dahulu !",
MsgBoxStyle.Information, "Konfirmasi")
        Exit Sub
    End If
    Password = TXT_KodeGuru.Text
    If RBO_L.Checked Then
        Jenis_Kelamin = "L"
    ElseIf RBO_P.Checked Then
        Jenis_Kelamin = "P"
    End If
    Con.Open()
    Comm = New SqlCommand("insert into Guru values ('" &
TXT_KodeGuru.Text & "','" & TXT_NIP.Text & "','" & TXT_NamaGuru.Text
& "','" & TXT_AlamatGuru.Text & "','" & TXT_TempatLahir.Text & "','" &
Format(DTP_TglLahir.Value, "MM/dd/yyyy") & "','" & Jenis_Kelamin & "','" &
CBO_Agama.Text & "','" & TXT_NoTelpHP_Guru.Text & "','" &
CBO_Studi.Text & "','" & CBO_StatusMengajar.Text & "','" & Password & "')",
Con)
    Comm.ExecuteNonQuery()
    MsgBox("Data Guru berhasil disimpan..!", MsgBoxStyle.Information)
    Con.Close()
    Tampil()
    Bersih()

```

```

'Try
' Con.Open()
' Comm = New SqlCommand("insert into Guru values (" &
TXT_KodeGuru.Text & "','" & TXT_NIP.Text & "','" & TXT>NamaGuru.Text
& "','" & Jenis_Kelamin & "','" & TXT_TempatLahir.Text & "','" &
Format(DTP_TglLahir.Value, "MM/dd/yyyy") & "','" & TXT_AlamatGuru.Text
& "','" & TXT_NoTelpHP_Guru.Text & "','" & CBO_Studi.Text & "','" &
CBO_StatusMengajar.Text & "','" & CBO_Agama.Text & "','" & Password &
")", Con)
' Comm.ExecuteNonQuery()
' MsgBox("Data Guru berhasil disimpan..!", MsgBoxStyle.Information)
' Con.Close()
' Tampil()
'Catch ex As Exception
' MsgBox("Data Guru gagal disimpan..!", MsgBoxStyle.Information)
'Finally
' Con.Close()
'End Try
End Sub

Private Sub BTN_Ubah_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Ubah.Click
If RBO_L.Checked Then
Jenis_Kelamin = "L"
ElseIf RBO_P.Checked Then
Jenis_Kelamin = "P"
End If

Con.Open()
Comm = New SqlCommand("Update Guru set NIP ='" & TXT_NIP.Text &
"', Nama= '" & TXT>NamaGuru.Text & "', Jenis_Kelamin= '" & Jenis_Kelamin &
"', Bidang_Studi= '" & CBO_Studi.SelectedItem & "', Tgl_Lahir= '" &
Format(DTP_TglLahir.Value, "MM/dd/yyyy") & "', Alamat= '" &
TXT_AlamatGuru.Text & "', Telp= '" & TXT_NoTelpHP_Guru.Text &
"', Tempat_Lahir ='" & TXT_TempatLahir.Text & "', Status_Mengajar= '" &
CBO_StatusMengajar.Text & "', Agama= '" & CBO_Agama.Text & "' where
Kode_Guru= '" & TXT_KodeGuru.Text & "'", Con)
Comm.ExecuteNonQuery()
MsgBox("Data Berhasil Di Update", MsgBoxStyle.Information)
Con.Close()
Tampil()
Bersih()

End Sub

Private Sub BTN_Cari_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Cari.Click

```

```

'Con.Close()

'Con.Open()
'Comm.Connection = Con
'Comm.CommandText = "Select * from Guru where kode_Guru ='" &
TXT_KodeGuru.Text & "'"
'Comm.CommandType = CommandType.Text
DR = Comm.ExecuteReader

If DR.HasRows Then
    DR.Read()
    TXT_NIP.Text = DR.Item(1)
    TXT_NamaGuru.Text = DR.Item(2)
    If DR.Item(3) = "L" Then
        RBO_L.Checked = True
    ElseIf DR.Item(3) = "P" Then
        RBO_P.Checked = True
    End If
    TXT_TempatLahir.Text = DR.Item(4)
    DTP_TglLahir.Value = DR.Item(5)
    TXT_AlamatGuru.Text = DR.Item(6)
    TXT_NoTelpHP_Guru.Text = DR.Item(7)
    CBO_Studi.Text = DR.Item(8)
    CBO_StatusMengajar.Text = DR.Item(9)
    CBO_Agama.Text = DR.Item(10)
    BTN_Ubah.Enabled = True
    BTN_Hapus.Enabled = True
    BTN_Simpan.Enabled = False

Else
    MsgBox("Data tidak ada")
    Bersih_DataTidakAda()
    TXT_NIP.Focus()
End If
'DR.Close()
'Con.Close()
End Sub

Private Sub BTN_Keluar_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Keluar.Click
    Bersih()
    Me.Close()
End Sub

Private Sub BTN_Bersih_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Bersih.Click
    Bersih()
End Sub

```

```

Private Sub BTN_Hapus_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Hapus.Click
    Dim x As String
    x = MsgBox("Apakah data guru akan dihapus ?", MsgBoxStyle.YesNo,
    "Konfirmasi")
    If x = vbYes Then
        Try
            Con.Open()
            Comm = New SqlCommand("Delete from Guru where Kd_Guru= '" &
TXT_KodeGuru.Text & "'", Con)
            Comm.ExecuteNonQuery()
            MsgBox("Data berhasil dihapus..", MsgBoxStyle.Information)
            Con.Close()
            Tampil()
            Bersih()
        Catch ex As Exception
            MsgBox("Data tidak dapat dihapus, telah dipakai pada tabel lain !",
MsgBoxStyle.Critical, "Peringatan")
        End Try
    ElseIf vbNo Then
        MsgBox("Data tidak di hapus.!!", MsgBoxStyle.Information)
    End If
End Sub

Private Sub DGV_Guru_CellClick(ByVal sender As Object, ByVal e As
System.Windows.Forms.DataGridViewCellEventArgs) Handles
DGV_Guru.CellClick
    'Con.Close()

    Dim jenis As String
    With DGV_Guru

        TXT_KodeGuru.Text = .Rows(.CurrentCell.RowIndex).Cells(0).Value
        TXT_NIP.Text = .Rows(.CurrentCell.RowIndex).Cells(1).Value
        TXT>NamaGuru.Text = .Rows(.CurrentCell.RowIndex).Cells(2).Value
        TXT_AlamatGuru.Text = .Rows(.CurrentCell.RowIndex).Cells(3).Value
        TXT_TempatLahir.Text = .Rows(.CurrentCell.RowIndex).Cells(4).Value
        DTP_TglLahir.Value = .Rows(.CurrentCell.RowIndex).Cells(5).Value
        jenis = .Rows(.CurrentCell.RowIndex).Cells(6).Value
        If jenis = "P" Then
            RBO_P.Checked = True
        ElseIf jenis = "L" Then
            RBO_L.Checked = True
        End If
    End With

```

```

CBO_Agama.Text = .Rows(.CurrentCell.RowIndex).Cells(7).Value
TXT_NoTelpHP_Guru.Text =
.Rows(.CurrentCell.RowIndex).Cells(8).Value
CBO_Studi.Text = .Rows(.CurrentCell.RowIndex).Cells(9).Value
CBO_StatusMengajar.Text =
.Rows(.CurrentCell.RowIndex).Cells(10).Value
End With
Con.Open()
Comm.Connection = Con
Comm.CommandText = "Select * from Guru where kode_Guru ='" &
TXT_KodeGuru.Text & "'"
Comm.CommandType = CommandType.Text
DR = Comm.ExecuteReader
If DR.HasRows Then
    BTN_Simpan.Enabled = False
    BTN_Ubah.Enabled = True
    BTN_Hapus.Enabled = True
Else
    BTN_Simpan.Enabled = True
    BTN_Ubah.Enabled = False
    BTN_Hapus.Enabled = False
End If
DR.Close()
Con.Close()
End Sub

```

```

Private Sub TXT>NamaGuru_KeyPress(ByVal sender As Object, ByVal e As
System.Windows.Forms.KeyPressEventArgs) Handles
TXT>NamaGuru.KeyPress
    Select Case Asc(e.KeyChar)
        Case 65 To 90 'dari A-Z
        'Case 48 To 57 'dari 0-9
        e.Handled = False
        Case 97 To 122 ' dari a-z
        e.Handled = False
        Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
        e.Handled = False
        Case Else
        e.Handled = True
    End Select
End Sub

```

```

Private Sub TXT_TempatLahir_KeyPress(ByVal sender As Object, ByVal e
As System.Windows.Forms.KeyPressEventArgs) Handles
TXT_TempatLahir.KeyPress
    Select Case Asc(e.KeyChar)

```

```

Case 65 To 90 'dari A-Z
'Case 48 To 57 'dari 0-9
e.Handled = False
Case 97 To 122 ' dari a-z
e.Handled = False
Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
e.Handled = False
Case Else
e.Handled = True
End Select
End Sub

Private Sub TXT_NoTelpHP_Guru_KeyPress(ByVal sender As Object, ByVal
e As System.Windows.Forms.KeyPressEventArgs) Handles
TXT_NoTelpHP_Guru.KeyPress
Select Case Asc(e.KeyChar)

Case 48 To 57 'dari 0-9
e.Handled = False
Case 32, 8, 44, 46 'spasi dan bekspes, titik, koma
e.Handled = False
Case Else
e.Handled = True
End Select
End Sub
End Class

```

### Cetak Data Guru :

```

Imports System.Data.SqlClient
Public Class Cari_Guru
    Dim Con As New SqlConnection
    Dim Adapter As New SqlDataAdapter
    Dim DR As SqlDataReader
    Dim DS As New DataSet
    Dim Comm As SqlCommand
    Dim Status_Guru As String = "Aktif"
    Public Pilihan As String
    Private Sub Master_Data_Guru_Load(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles MyBase.Load
        Try
            Con.ConnectionString = koneksi
            Con.Open()
        Catch ex As Exception
        End Try
        Con.Close()
    End Sub

```

```

Tampil()
End Sub

Sub Tampil()
If Pilihan = "Data_Kelas" Then
    Con.Open()
    DS.Clear()
    Adapter.SelectCommand = New SqlCommand(" select g.* from Guru g "
    & _
        "left outer join Kelas k " & _
        "on k.Kode_Guru = g.Kode_Guru " & _
        "where Status_Mengajar ='' & Status_Guru & '' "
    & _
        "and g.Kode_Guru NOT IN (select k.Kode_Guru
from Kelas k " & _
        "where k.Tahun_Ajaran = '' &
Data_Kelas.CBO_TahunAjaran.Text & "") " & _
        "order by g.Kode_Guru", Con)
    Adapter.Fill(DS)
    DGV_Guru.DataSource = DS.Tables(0)
    Con.Close()
Else
    Con.Open()
    DS.Clear()
    Adapter.SelectCommand = New SqlCommand("select * from Guru where
Status_Mengajar ='' & Status_Guru & '' order by Kode_Guru", Con)
    Adapter.Fill(DS)
    DGV_Guru.DataSource = DS.Tables(0)
    Con.Close()
End If
End Sub

Private Sub BTN_Keluar_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Keluar.Click
    Con.Close()
    Me.Close()
End Sub

Private Sub BTN_Cetak_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs)
    Cetak_Laporan.Pilihan = "Guru"
    Cetak_Laporan.ShowDialog()
End Sub
Function X_NVL(ByVal xString As Object, ByVal xPengganti As String) As
String
    If IsDBNull(xString) Then
        Return xPengganti
    End If
End Function

```

```

    Else
        Return xString
    End If
End Function
Private Sub DGV_Guru_CellDoubleClick(ByVal sender As Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles DGV_Guru.CellDoubleClick
    If Pilihan = "Data_Kelas" Then
        If Not IsDBNull(DGV_Guru.Rows(DGV_Guru.CurrentRow.Index).Cells(0).Value) Then
            With Data_Kelas
                .TXT_NamaGuru.Text =
                    X_NVL(DGV_Guru.Rows(DGV_Guru.CurrentRow.Index).Cells(2).Value, "")
                .TXT_KodeGuru.Text =
                    X_NVL(DGV_Guru.Rows(DGV_Guru.CurrentRow.Index).Cells(0).Value, "")
            End With
            Me.Close()
        End If
    ElseIf Pilihan = "Mapel_Kelas" Then
        If Not IsDBNull(DGV_Guru.Rows(DGV_Guru.CurrentRow.Index).Cells(0).Value) Then
            With Input_Mata_Pelajaran_Perkelas
                .TXT_KodeGuru.Text =
                    X_NVL(DGV_Guru.Rows(DGV_Guru.CurrentRow.Index).Cells(0).Value, "")
                .TXT_NamaGuru.Text =
                    X_NVL(DGV_Guru.Rows(DGV_Guru.CurrentRow.Index).Cells(2).Value, "")
            End With
            Me.Close()
        End If
    End If
End Sub
End Class

```

### Transaksi Mapel Per Kelas :

```

Imports System.Data.SqlClient
Public Class Input_Mata_Pelajaran_Perkelas
    Dim Con As New SqlConnection
    Dim Adapter As New SqlDataAdapter
    Dim DA_Mata, DA_Mata1 As New SqlDataAdapter
    Dim DS_Mata, DS_Mata1 As New DataSet
    Dim DR As SqlDataReader
    Dim DS As New DataSet
    Dim DT As New DataTable
    Dim Comm As New SqlCommand

```

```

Dim Convert_TahunAjaran As String
Dim i As Integer

Private Sub Input_Mata_Pelajaran_Perkelas_Load(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
Try
    Con.ConnectionString = koneksi
    'Con.Open()
    Catch ex As Exception
    End Try
    'CBO_TahunAjaran.Items.Clear()
    'With CBO_TahunAjaran.Items
    '    .Add("2009/2010")
    '    .Add("2010/2011")
    '    .Add("2011/2012")
    '    .Add("2012/2013")
    '    .Add("2013/2014")
    '    .Add("2014/2015")
    '    .Add("2015/2016")
    '    .Add("2016/2017")
    End With
    'Con.Close()
    Tampil_CBO_TahunAjaran()
    Tampil()
End Sub

Sub Tampil()
    Con.Open()
    DS_Mata.Clear()
    DA_Mata.SelectCommand = New SqlCommand("select
d.Kode_Mata_Pelajaran,m.Nama_Mata_Pelajaran,d.Kode_Kelas,k>Nama_Kelas,k
.Tahun_Ajaran,d.Kode_Guru,g>Nama from Detil_Mata_Pelajaran d,Kelas k,
Mata_Pelajaran m, Guru g where d.Kode_Kelas=k.Kode_Kelas and
d.Kode_Mata_Pelajaran=m.Kode_Mata_Pelajaran and
d.Kode_Guru=g.Kode_Guru", Con)
    DA_Mata.Fill(DS_Mata)
    DGV_Mata.DataSource = DS_Mata.Tables(0)
    Con.Close()
End Sub

Sub Bersih()
    CBO_KodeMata.Text = ""
    TXT_NamaMata.Text = ""
    CBO_KodeKelas.Text = ""
    TXT_Kelas.Text = ""
    CBO_TahunAjaran.Enabled = True
    CBO_KodeKelas.Enabled = True
    CBO_KodeMata.Enabled = True

```

```

    BTN_Simpan.Enabled = True
    BTN_Hapus.Enabled = False
    BTN_Ubah.Enabled = False
    CBO_TahunAjaran.Text = ""
    TXT_KodeGuru.Text = ""
    TXT_NamaGuru.Text = ""
    If CBO_KodeKelas.Text = "" Then
        CBO_KodeKelas.Items.Clear()
    End If

    If CBO_KodeMata.Text = "" Then
        CBO_KodeMata.Items.Clear()
    End If
End Sub

Sub Tampil_CBO_TahunAjaran()
    Con.Open()
    CBO_TahunAjaran.Items.Clear()
    DS.Clear()
    Adapter = New SqlDataAdapter("Select * from Tahun_Ajar where status
='Y'", Con)
    Adapter.Fill(DS, "Tahun_Ajar")
    CBO_TahunAjaran.Items.Clear()
    For i = 0 To DS.Tables("Tahun_Ajar").Rows.Count - 1

        CBO_TahunAjaran.Items.Add(DS.Tables("Tahun_Ajar").Rows(i)("Thn_Ajar"))
    Next
    Con.Close()
End Sub

Sub Tampil_CBO_KodeKelas_TahunAjaran()
    Con.Open()
    CBO_KodeKelas.Items.Clear()
    If Not DS.Tables("Kelas") Is Nothing Then DS.Tables("Kelas").Clear()
    Adapter = New SqlDataAdapter("Select * from Kelas where tahun_ajaran=""& CBO_TahunAjaran.Text & "", Con)
    Adapter.Fill(DS, "Kelas")
    CBO_KodeKelas.Items.Clear()
    For i = 0 To DS.Tables("Kelas").Rows.Count - 1
        CBO_KodeKelas.Items.Add(DS.Tables("Kelas").Rows(i)("Kode_Kelas"))
    Next
    Con.Close()
End Sub

Sub Tampil_CBO_KodeMata_TahunAjaran()
    Con.Open()
    CBO_KodeMata.Items.Clear()
    DS_Mata1.Clear()
    DA_Mata1 = New SqlDataAdapter("Select * from Mata_Pelajaran ", Con)

```

```

DA_Mata1.Fill(DS_Mata1, "Mata_Pelajaran")
CBO_KodeMata.Items.Clear()
For i = 0 To DS_Mata1.Tables("Mata_Pelajaran").Rows.Count - 1

CBO_KodeMata.Items.Add(DS_Mata1.Tables("Mata_Pelajaran").Rows(i)("Kode
_Mata_Pelajaran"))
Next
Convert_TahunAjaran = ""
Con.Close()
End Sub

Private Sub BTN_Keluar_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Keluar.Click
Me.Close()
End Sub

Private Sub BTN_Simpan_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Simpan.Click
If CBO_KodeKelas.Text = "" Then
MsgBox("Pilih Kode Kelas dahulu !", MsgBoxStyle.Information,
"Konfirmasi")
Exit Sub
ElseIf CBO_KodeMata.Text = "" Then
MsgBox("Pilih Kode Mata Pelajaran dahulu !", MsgBoxStyle.Information,
"Konfirmasi")
Exit Sub
ElseIf TXT_KodeGuru.Text = "" Then
MsgBox("Isi Kode guru yang mengajar dahulu !",
MsgBoxStyle.Information, "Konfirmasi")
Exit Sub
End If

Try
Con.Open()
Comm = New SqlCommand("insert into Detil_Mata_Pelajaran values ('"
& CBO_KodeKelas.Text & "','" & CBO_KodeMata.Text & "','" &
TXT_KodeGuru.Text & "')", Con)
Comm.ExecuteNonQuery()
MsgBox("Data Mata Pelajaran Perkelas berhasil disimpan!", 
MsgBoxStyle.Information)
Con.Close()
Tampil()
Bersih()
Catch ex As Exception
MsgBox("Data Mata Pelajaran telah tersimpan pada kelas ini! ",
MsgBoxStyle.Critical, "Peringatan")
Con.Close()

```

```

    End Try
End Sub

Private Sub CBO_TahunAjaran_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
CBO_TahunAjaran.SelectedIndexChanged
    If CBO_TahunAjaran.SelectedIndex = 0 Then
        Convert_TahunAjaran = "2009/2010"
    ElseIf CBO_TahunAjaran.SelectedIndex = 1 Then
        Convert_TahunAjaran = "2010/2011"
    ElseIf CBO_TahunAjaran.SelectedIndex = 2 Then
        Convert_TahunAjaran = "2011/2012"
    ElseIf CBO_TahunAjaran.SelectedIndex = 3 Then
        Convert_TahunAjaran = "2012/2013"
    ElseIf CBO_TahunAjaran.SelectedIndex = 4 Then
        Convert_TahunAjaran = "2013/2014"
    ElseIf CBO_TahunAjaran.SelectedIndex = 5 Then
        Convert_TahunAjaran = "2014/2015"
    ElseIf CBO_TahunAjaran.SelectedIndex = 6 Then
        Convert_TahunAjaran = "2015/2016"
    ElseIf CBO_TahunAjaran.SelectedIndex = 7 Then
        Convert_TahunAjaran = "2016/2017"
    End If

    CBO_KodeKelas.Text = ""
    TXT_Kelas.Text = ""
    CBO_KodeMata.Text = ""
    TXT_NamaMata.Text = ""
    If CBO_KodeKelas.Items.Count() = 0 Then
        Tampil_CBO_KodeKelas_TahunAjaran()
        Tampil_CBO_KodeMata_TahunAjaran()

    Else
        Tampil_CBO_KodeMata_TahunAjaran()
        Tampil_CBO_KodeKelas_TahunAjaran()
    End If
End Sub

Private Sub CBO_KodeKelas_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
CBO_KodeKelas.SelectedIndexChanged
    For i = 0 To DS.Tables("Kelas").Rows.Count - 1
        If DS.Tables("Kelas").Rows(i)("Kode_Kelas") = CBO_KodeKelas.Text
Then
            TXT_Kelas.Text = (DS.Tables("Kelas").Rows(i)("Nama_Kelas"))
        End If
    Next
End Sub

```

```

Private Sub CBO_KodeMata_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CBO_KodeMata.SelectedIndexChanged
    For i = 0 To DS_Mata1.Tables("Mata_Pelajaran").Rows.Count - 1
        If DS_Mata1.Tables("Mata_Pelajaran").Rows(i)("Kode_Mata_Pelajaran") = CBO_KodeMata.Text Then
            TXT_NamaMata.Text = (DS_Mata1.Tables("Mata_Pelajaran").Rows(i)("Nama_Mata_Pelajaran"))
        End If
    Next
End Sub

Private Sub BTN_Cari_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles BTN_Cari.Click
    'Con.Open()
    'Comm.Connection = Con
    'Comm.CommandText = "Select * from Guru where kode_Guru =" & TXT_KodeGuru.Text & ""
    'Comm.CommandType = CommandType.Text
    DR = Comm.ExecuteReader

    If DR.HasRows Then
        ' DR.Read()
        ' TXT_KodeGuru.Text = DR.Item(0)
        ' TXT_NamaGuru.Text = DR.Item(2)

        'Else
        ' MsgBox("Data Guru tidak ada")
        'End If
        'DR.Close()
        'Con.Close()
        Cari_Guru.Pilihan = "Mapel_Kelas"
        Cari_Guru.Show()
    End Sub

    Function X_NVL(ByVal xString As Object, ByVal xPengganti As String) As String
        If IsDBNull(xString) Then
            Return xPengganti
        Else
            Return xString
        End If
    End Function

```

```

Private Sub DGV_Mata_CellDoubleClick(ByVal sender As Object, ByVal e
As System.Windows.Forms.DataGridViewCellEventArgs) Handles
DGV_Mata.CellDoubleClick
    If Not
IsDBNull(DGV_Mata.Rows(DGV_Mata.CurrentRow.Index).Cells(0).Value)
Then

    CBO_KodeKelas.Text =
X_NVL(DGV_Mata.Rows(DGV_Mata.CurrentRow.Index).Cells(2).Value, "")  

        TXT_Kelas.Text =
X_NVL(DGV_Mata.Rows(DGV_Mata.CurrentRow.Index).Cells(3).Value, "")  

        CBO_KodeMata.Text =
X_NVL(DGV_Mata.Rows(DGV_Mata.CurrentRow.Index).Cells(0).Value, "")  

        TXT_NamaMata.Text =
X_NVL(DGV_Mata.Rows(DGV_Mata.CurrentRow.Index).Cells(1).Value, "")  

        CBO_TahunAjaran.Text =
X_NVL(DGV_Mata.Rows(DGV_Mata.CurrentRow.Index).Cells(4).Value, "")  

        TXT_KodeGuru.Text =
X_NVL(DGV_Mata.Rows(DGV_Mata.CurrentRow.Index).Cells(5).Value, "")  

        TXT_NamaGuru.Text =
X_NVL(DGV_Mata.Rows(DGV_Mata.CurrentRow.Index).Cells(6).Value, "")  

    End If

```

```

    CBO_KodeKelas.Enabled = False  

    CBO_KodeMata.Enabled = False  

    CBO_TahunAjaran.Enabled = False  

    BTN_Hapus.Enabled = True  

    BTN_Ubah.Enabled = True  

    BTN_Simpan.Enabled = False
End Sub

```

```

Private Sub BTN_Bersih_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Bersih.Click
    Bersih()
End Sub

```

```

Private Sub BTN_Ubah_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Ubah.Click
    Try
        Con.Open()
        Comm = New SqlCommand("Update Detil_Mata_pelajaran set
Kode_Guru=""" & TXT_KodeGuru.Text & "" where Kode_Mata_Pelajaran=""" &
CBO_KodeMata.Text & "" and Kode_Kelas=""" & CBO_KodeKelas.Text & """",
Con)
        Comm.ExecuteNonQuery()
        MsgBox("Data Mata Pelajaran Perkelas berhasil diupdate",
MsgBoxStyle.Information)
        Con.Close()
    End Try

```

```

Tampil()
Bersih()
Catch ex As Exception
    Con.Close()
    MsgBox("Gagal mengupdate data !!!", MsgBoxStyle.Information)
    Tampil()
End Try

End Sub

Private Sub BTN_Hapus_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Hapus.Click
    Dim x As String
    x = MsgBox("Apakah data mata pelajaran perkelas akan dihapus ?",
MsgBoxStyle.YesNo)

    If x = vbYes Then
        Try
            Con.Open()
            Comm = New SqlCommand("Delete from Detil_Mata_Pelajaran where
Kode_Mata_Pelajaran=" & CBO_KodeMata.Text & " and Kode_Kelas=" &
CBO_KodeKelas.Text & "", Con)
            Comm.ExecuteNonQuery()
            MsgBox("Data berhasil dihapus.", MsgBoxStyle.Information)
            Con.Close()
            Tampil()
            Bersih()
        Catch ex As Exception
            MsgBox("Gagal hapus data !! ", MsgBoxStyle.Information)
        End Try
    ElseIf x = vbNo Then
        MsgBox("Data tidak di hapus.!!", MsgBoxStyle.Information)
    End If
    Tampil()
    Bersih()
End Sub
End Class

```

### Transaksi Absensi :

```

Imports System.Data.SqlClient
Public Class Absensi
    Dim Con As New SqlConnection
    Dim DA, ADAPTER As New SqlDataAdapter
    Dim DR As SqlDataReader

```

```

Dim DS As New DataSet
Dim DT As New DataTable
Dim Comm As SqlCommand
Dim i As Integer
Dim Convert_Tgl As String
Dim Kode_Absen As String
Dim Keterangan As String
Dim Tgl As String

Private Sub Absensi_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    Try
        Con.ConnectionString = koneksi
        'Con.Open()
    Catch ex As Exception
    End Try

    'CBO_TahunAjaran.Items.Clear()
    'With CBO_TahunAjaran.Items
    '    .Add("2009/2010")
    '    .Add("2010/2011")
    '    .Add("2011/2012")
    '    .Add("2012/2013")
    '    .Add("2013/2014")
    '    .Add("2014/2015")
    '    .Add("2015/2016")
    '    .Add("2016/2017")
    'End With
    Tampil_CBO_TahunAjaran()
    CBO_Semester.Items.Clear()
    With CBO_Semester.Items
        .Add("Gasal")
        .Add("Genap")
    End With

    'Con.Close()
    Generate_KodeAbsen()
    Tampil()
End Sub

Sub Tampil_CBO_TahunAjaran()
    Con.Open()
    CBO_TahunAjaran.Items.Clear()
    DS.Clear()
    Adapter = New SqlDataAdapter("Select * from Tahun_Ajar where status
='Y'", Con)
    Adapter.Fill(DS, "Tahun_Ajar")

```

```

CBO_TahunAjaran.Items.Clear()
For i = 0 To DS.Tables("Tahun_Ajar").Rows.Count - 1

CBO_TahunAjaran.Items.Add(DS.Tables("Tahun_Ajar").Rows(i)("Thn_Ajar"))
    Next
    Con.Close()
End Sub
Sub Tampil()
    Con.Open()
    If Not DS.Tables("Siswa") Is Nothing Then DS.Tables("Siswa").Clear()
    DA.SelectCommand = New SqlCommand(" select b.Kode_Absensi, b.NIS,
s>Nama, b.Kode_Kelas ,k>Nama_Kelas , " & _
        "b.Tgl_Absensi [Tgl Absensi], b.Keterangan
[Keterangan], k.Tahun_Ajaran, " & _
        "b.Semester from Absensi b " & _
        "left join Siswa s " & _
        "on s.NIS = b.nis " & _
        "left join Kelas k " & _
        "on k.Kode_Kelas = b.Kode_Kelas " & _
        "order by b.Kode_Absensi ", Con)
    DA.Fill(DS, "Siswa")
    DGV_Absensi.DataSource = DS.Tables("Siswa")
    Con.Close()
End Sub

Sub Bersih()
    TXT_KodeAbsensi.Text = ""
    TXT_KodeKelas.Text = ""
    TXT_Kelas.Text = ""
    TXT_NIS.Text = ""
    TXT_Nama.Text = ""
    CBO_Semester.Text = ""
    CBO_TahunAjaran.Text = ""
    RBO_Alpha.Checked = False
    RBO_Izin.Checked = False
    RBO_Sakit.Checked = False
    DTP_Tgl.Value = Now
    BTN_Simpan.Enabled = True
    BTN_Ubah.Enabled = False
    BTN_Hapus.Enabled = False
    NUD_NoTrans.Enabled = True
End Sub

Sub Generate_KodeAbsen()
    Tgl = Format(DTP_Tgl.Value, "MM/dd/yyyy")
    Kode_Absen = "A." & Tgl.Substring(3, 2) & Tgl.Substring(0, 2) &
    Tgl.Substring(8, 2) & "." & NUD_NoTrans.Value.ToString
    TXT_KodeAbsensi.Text = Kode_Absen

```

```

End Sub

Function X_NVL(ByVal xString As Object, ByVal xPengganti As String) As
String
    If IsDBNull(xString) Then
        Return xPengganti
    Else
        Return xString
    End If
End Function

Private Sub DGV_Absensi_CellDoubleClick(ByVal sender As Object, ByVal e
As System.Windows.Forms.DataGridViewCellEventArgs) Handles
DGV_Absensi.CellDoubleClick
    If Not
IsDBNull(DGV_Absensi.Rows(DGV_Absensi.CurrentRow.Index).Cells(0).Value,
) Then
        TXT_KodeAbsensi.Text =
X_NVL(DGV_Absensi.Rows(DGV_Absensi.CurrentRow.Index).Cells(0).Value,
"")
        TXT_NIS.Text =
X_NVL(DGV_Absensi.Rows(DGV_Absensi.CurrentRow.Index).Cells(1).Value,
"")
        TXT_Nama.Text =
X_NVL(DGV_Absensi.Rows(DGV_Absensi.CurrentRow.Index).Cells(2).Value,
"")
        TXT_KodeKelas.Text =
X_NVL(DGV_Absensi.Rows(DGV_Absensi.CurrentRow.Index).Cells(3).Value,
"")
        TXT_Kelas.Text =
X_NVL(DGV_Absensi.Rows(DGV_Absensi.CurrentRow.Index).Cells(4).Value,
"")
        DTP_Tgl.Value =
X_NVL(DGV_Absensi.Rows(DGV_Absensi.CurrentRow.Index).Cells(5).Value,
"")
        Keterangan =
X_NVL(DGV_Absensi.Rows(DGV_Absensi.CurrentRow.Index).Cells(6).Value,
"")
        If Keterangan = "Izin" Then
            RBO_Izin.Checked = True
        ElseIf Keterangan = "Sakit" Then
            RBO_Sakit.Checked = True
        Else
            RBO_Alpha.Checked = True
        End If
    End If
End Sub

```

```

        CBO_TahunAjaran.Text =
X_NVL(DGV_Absensi.Rows(DGV_Absensi.CurrentRow.Index).Cells(7).Value,
"")
        CBO_Semester.Text =
X_NVL(DGV_Absensi.Rows(DGV_Absensi.CurrentRow.Index).Cells(8).Value,
"")
    End If
    BTN_Simpan.Enabled = False
    BTN_Ubah.Enabled = True
    BTN_Hapus.Enabled = True
    NUD_NoTrans.Enabled = False
End Sub

Private Sub BTN_Bersih_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Bersih.Click
    Bersih()
End Sub

Private Sub BTN_Ubah_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Ubah.Click
    Try
        If RBO_Alpha.Checked Then
            Keterangan = RBO_Alpha.Text
        ElseIf RBO_Izin.Checked Then
            Keterangan = RBO_Izin.Text
        ElseIf RBO_Sakit.Checked = True Then
            Keterangan = RBO_Sakit.Text
        End If
        Con.Open()
        Comm = New SqlCommand("Update Absensi set Kode_Kelas='"
& TXT_KodeKelas.Text & ",NIS='"
& TXT_NIS.Text & "', Keterangan='"
& Keterangan & "', Semester='"
& CBO_Semester.Text & "'
where
Kode_Absensi='"
& TXT_KodeAbsensi.Text & "'", Con)
        Comm.ExecuteNonQuery()
        MsgBox("Data berhasil diupdate", MsgBoxStyle.Information)
        Con.Close()
        Tampil()
        Bersih()
    Catch ex As Exception
        Con.Close()
        MsgBox("Gagal mengupdate data !!!", MsgBoxStyle.Information)
    End Try
End Sub

Private Sub BTN_Hapus_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles BTN_Hapus.Click
    Dim x As String

```

```

x = MsgBox("Apakah Data Absensi siswa akan dihapus ?",  

MsgBoxStyle.YesNo)

If x = vbYes Then  

    Try  

        Con.Open()  

        Comm = New SqlCommand("Delete from Absensi where  

Kode_Absensi=" & TXT_KodeAbsensi.Text & "", Con)  

        Comm.ExecuteNonQuery()  

        MsgBox("Data Absensi berhasil dihapus.", MsgBoxStyle.Information)  

        Con.Close()  

        Tampil()  

        Bersih()  

    Catch ex As Exception  

        Con.Close()  

        MsgBox("Gagal hapus data, Kode Alokasi telah dipakai tabel lain ! ",  

MsgBoxStyle.Information)
    End Try
ElseIf x = vbNo Then  

    MsgBox("Data tidak di hapus !!", MsgBoxStyle.Information)
End If
End Sub

Private Sub BTN_Cari_Click(ByVal sender As System.Object, ByVal e As  

System.EventArgs) Handles BTN_Cari.Click
    Alokasi_Kelas.Pilihan = "Absensi"
    Alokasi_Kelas.ShowDialog()
End Sub

Private Sub BTN_Keluar_Click(ByVal sender As System.Object, ByVal e As  

System.EventArgs) Handles BTN_Keluar.Click
    Bersih()
    Con.Close()
    Me.Close()
End Sub

Private Sub BTN_Simpan_Click(ByVal sender As System.Object, ByVal e As  

System.EventArgs) Handles BTN_Simpan.Click
    If TXT_NIS.Text = "" Then
        MsgBox("Pilih siswa dahulu !", MsgBoxStyle.Information, "Konfirmasi")
        Exit Sub
    ElseIf CBO_Semester.Text = "" Then
        MsgBox("Pilih semester dahulu !", MsgBoxStyle.Information,
"Konfirmasi")
        Exit Sub
    End If
    If RBO_Alpha.Checked Then
        Keterangan = RBO_Alpha.Text
    End If
End Sub

```

```

ElseIf RBO_Izin.Checked Then
    Keterangan = RBO_Izin.Text
ElseIf RBO_Sakit.Checked = True Then
    Keterangan = RBO_Sakit.Text
End If

Try
    Con.Open()
    Comm = New SqlCommand("insert into Absensi values ('" &
TXT_KodeAbsensi.Text & "','" & TXT_KodeKelas.Text & "','" &
TXT_NIS.Text & "','" & Format(DTP_Tgl.Value, "MM/dd/yyyy") & "','" &
CBO_Semester.Text & "','" & Keterangan & "')", Con)
    Comm.ExecuteNonQuery()
    MsgBox("Data Absensi Siswa berhasil disimpan",
MsgBoxStyle.Information)
    Con.Close()
    Tampil()
    Bersih()
Catch ex As Exception
    Con.Close()
    MsgBox("Data sudah ada !!!", MsgBoxStyle.Information)
End Try
End Sub

Private Sub NUD_NoTrans_ValueChanged(ByVal sender As System.Object,
 ByVal e As System.EventArgs) Handles NUD_NoTrans.ValueChanged
    Generate_KodeAbsen()
End Sub

Private Sub DTP_Tgl_ValueChanged(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles DTP_Tgl.ValueChanged
    Generate_KodeAbsen()
End Sub
End Class

```