

LAPORAN APLIKASI RAPORT SISWA
TUGAS
IWAN BAGAS S

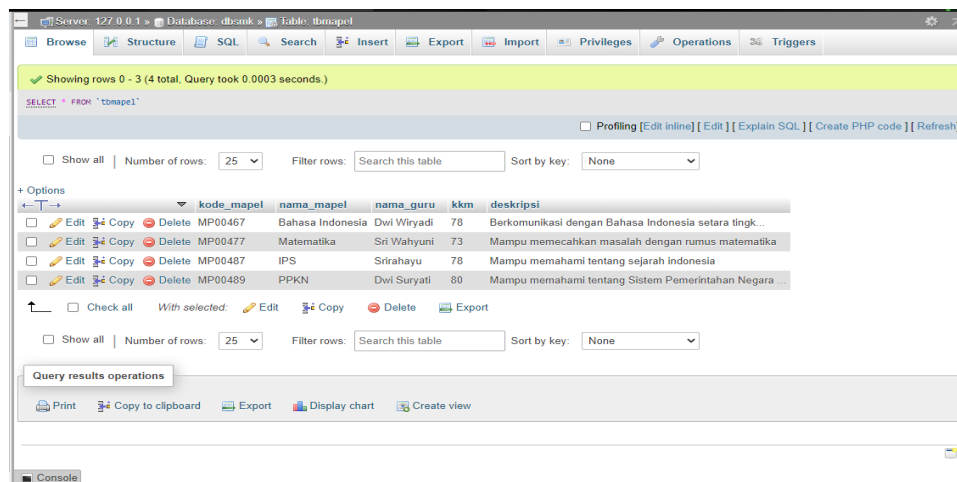
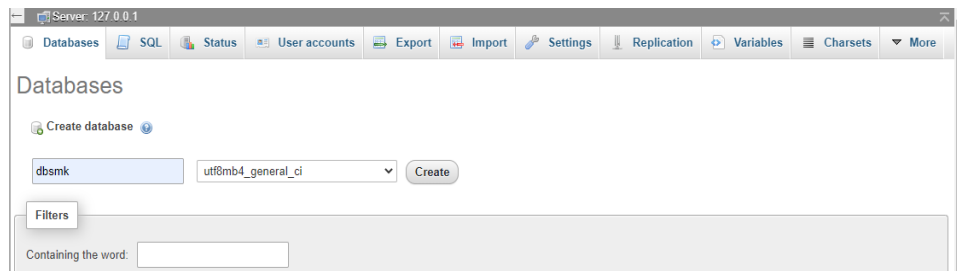
DAFTAR ISI

Judul	1
Kata pengantar	2
Daftar Isi	3
Isi	5
1.1 Database.....	5
1.2 Data Siswa	6
1.2.1 Form Data Siswa.....	6
1.2.2 Properties Data Siswa	7
1.2.3 Listing Program Data Siswa	7
1.3 Data Mata Pelajaran.....	10
1.3.1 Form Data Mata Pelajaran	10
1.3.2 Properties Data Mata Pelajaran.....	11
1.3.3 Listing Program Data Mata Pelajaran.....	11
1.4 Data Kelas.....	13
1.4.1 Form Data Kelas	13
1.4.2 Properties Data Kelas.....	14
1.4.3 Listing Program Data Kelas.....	14
1.5 Data Raport	16
1.5.1 Form Data Raport	17
1.5.2 Properties Data Raport.....	18
1.5.3 Listing Program Data Raport.....	18
1.6 Report Siswa.....	22
1.6.1 Form Crystal Report Siswa.....	22
1.6.2 Design Crystal Report lapSISWA	22
1.7 Report Mapel	23
1.7.1 Form Crystal Report Mapel	23
1.7.2 Design Crystal Report lapMAPEL	23

1.8	Report Kelas	24
1.8.1	Form Crystal Report Kelas	24
1.8.2	Design Crystal Report lapKELAS	24
1.9	Report Raport.....	25
1.9.1	Form Crystal Report Raport	25
1.9.2	Design Crystal Report lapRAPORT	25
1.10	Menu Aplikasi	26
1.10.1	Form Menu Aplikasi	26
1.10.2	Properties Menu Aplikasi	26
1.10.3	Listing Program Menu Aplikasi	27

ISI

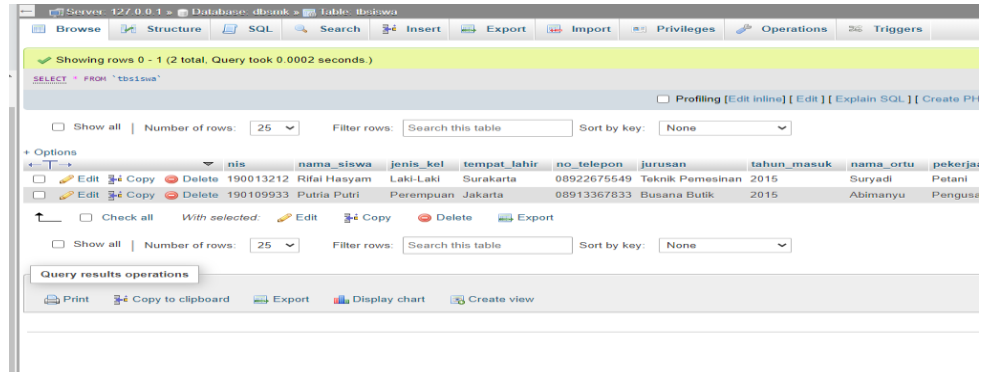
1.1 Databases



1.2 Data Siswa

Langkah Mengerjakan :

1. Aktifkan Xamp control
2. Buatlah database (dbsmk)
3. Buatlah table (tbsiswa) & isi beberapa record data :



4. Buatlah koneksi ODBC Connector pada control panel windows 10
5. Aktifkan Visual Studio 2012 & design form inputan di bawah ini :

1.2.1 Form Data Siswa

#	NIS	Nama Siswa	Jenis Kelamin	Tempat Lahir	No. Telepon	Jurusan	Tahun Masuk	Nama Ortu/Wali
1	190013212	Rifal Hasyam	Laki-Laki	Surakarta	08922675549	Teknik Pemesinan	2015	Suryadi
2	190109933	Putria Putri	Perempuan	Jakarta	089133678338	Busana Butik	2015	Putra Abimanyu

1.2.2 Properties Data Siswa

Nama Control	Properties	Value
Label 1-2	Text	SMK NEGERI 4 SUKOHARJO, DATA SISWA
PictureBox1	Image SizeMode	Gambar yang dipakai (logo) StretchImage
GroupBox1	Text	DATA SISWA
Label 3-11	Text	NIS, Nama Siswa, Jenis Kelamin, Tempat Lahir, No.Telepon, Jurusan, Tahun Masuk, Nama Orang Tua/Wali, Pekerjaan Orang Tua/Wali
Textbox 1-7	Text Name	Kosong tnis, tnama_siswa, ttempat_lahir, tno_telepon, ttahun_masuk, tortu. tpekerjaan_or্তু
Combobox 1	Text Name Items	Kosong cb1 Laki-Laki, Perempuan
Combobox 2	Text Name Items	Kosong cb2 Teknik Gambar Bangunan, Teknik Pemesinan, Teknik Body Otomotif, Busana Butik
Button 1 – 5	Text	NEW, SAVE, DELETE, EXIT, REFRESH
DataGridView1		

1.2.3 Listing Program Data Siswa

General

```
Imports System.Data.Odbc
Public Class Form2
    Dim con As OdbcConnection
    Dim dr As OdbcDataReader
    Dim da As OdbcDataAdapter
    Dim ds As DataSet
    Dim dt As DataTable
    Dim cmd As OdbcCommand
```

Module Koneksi

```
Sub koneksi()
    con = New OdbcConnection
    con.ConnectionString = "dsn=db_smk_smk"
    con.Open()
End Sub
```

Module Simpan

```
Sub simpan()
    koneksi()
    Dim sql As String = "insert into tbsiswa values('" & tnis.Text &
    "',''" & tnama_siswa.Text & "',''" & cb1.Text & "',''" & ttempat_lahir.Text &
    "',''" & tno_telepon.Text & "',''" & cb2.Text & "',''" &
    ttahun_masuk.Text & "',''" & tortu.Text & "',''" & tpekerjaan_or্তু.Text &
    "'')"
    cmd = New OdbcCommand(sql, con)
    cmd.ExecuteNonQuery()
Try
```

```

        MsgBox("Menyimpan data BERHASIL", vbInformation,
"INFORMASI")
    Catch ex As Exception
        MsgBox("Menyimpan data GAGAL", vbInformation, "PERINGATAN")
    End Try
End Sub

```

Module Tampil

```

Sub tampil()
    DataGridView1.Rows.Clear()
    Try
        koneksi()
        da = New OdbcDataAdapter("select *from tbsiswa order by nis
asc", con)
        dt = New DataTable
        da.Fill(dt)
        For Each row In dt.Rows
            DataGridView1.Rows.Add(row(0), row(1), row(2), row(3),
row(4), row(5), row(6), row(7), row(8))
        Next
        dt.Rows.Clear()
    Catch ex As Exception
        MsgBox("Menampilkan data GAGAL")
    End Try
End Sub

```

Form Load

```
tampil()
```

Tombol New

```

tnis.Text = ""
tnama_siswa.Text = ""
cb1.Text = ""
ttempat_lahir.Text = ""
tno_telepon.Text = ""
cb2.Text = ""
ttahun_masuk.Text = ""
tortu.Text = ""
tpekerjaan_ortu.Text = ""
tnis.Focus()

```

Tombol Save

```
simpan()
```

Tombol Delete

```

Dim a As String = DataGridView1.Item(0,
DataGridView1.CurrentRow.Index).Value
If a = "" Then
    MsgBox("Data Siswa yang dihapus belum DIPILIH")
Else
    If (MessageBox.Show("Anda yakin menghapus data dengan nis="
& a & "...?", "Delete", MessageBoxButtons.OKCancel,
MessageBoxIcon.Warning) = Windows.Forms.DialogResult.OK) Then
        koneksi()
        cmd = New OdbcCommand("delete from tbsiswa where nis="
& a & "", con)
        cmd.ExecuteNonQuery()
    End If
End If

```

```
MsgBox("Menghapus data BERHASIL", vbInformation,  
"INFORMASI")  
con.Close()  
tampil()  
End If  
End If
```

Tombol Refresh

```
tampil()
```

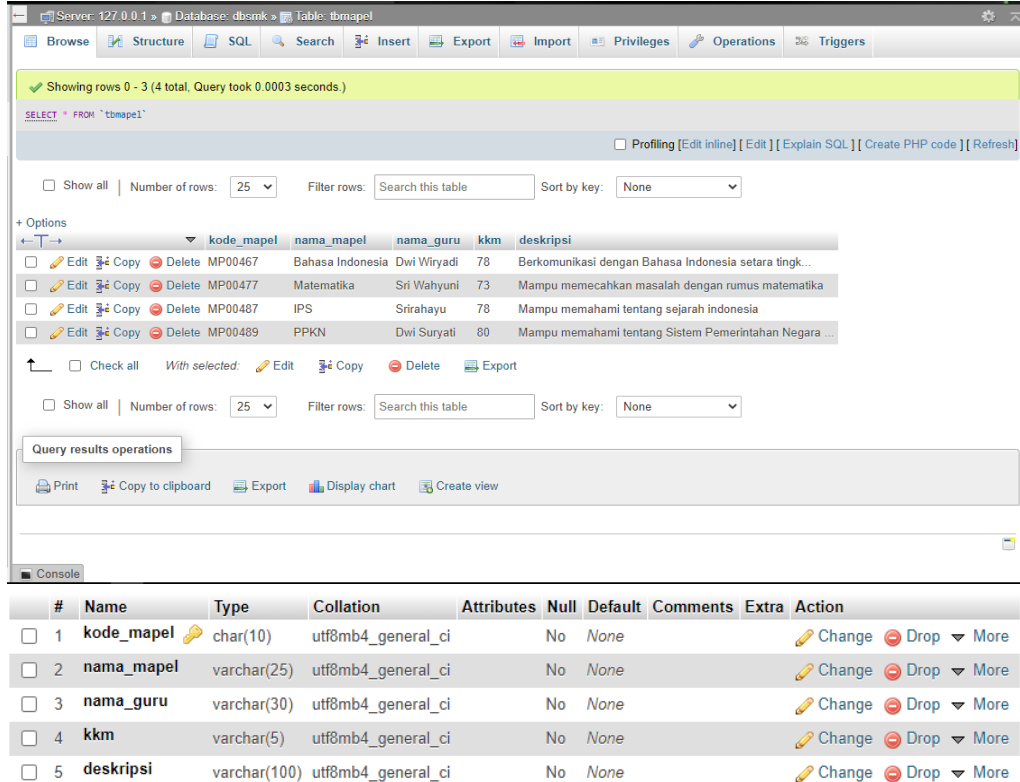
Tombol Exit

```
End
```


1.3 Data Mata Pelajaran

Langkah Mengerjakan :

1. Aktifkan Xamp control
2. Buatlah database (dbsmk)
3. Buatlah table (tbmapel) & isi beberapa record data :



The screenshot shows the phpMyAdmin interface for a database named 'dbsmk'. The table 'tbmapel' is selected, and its structure and data are displayed.

Table Structure:

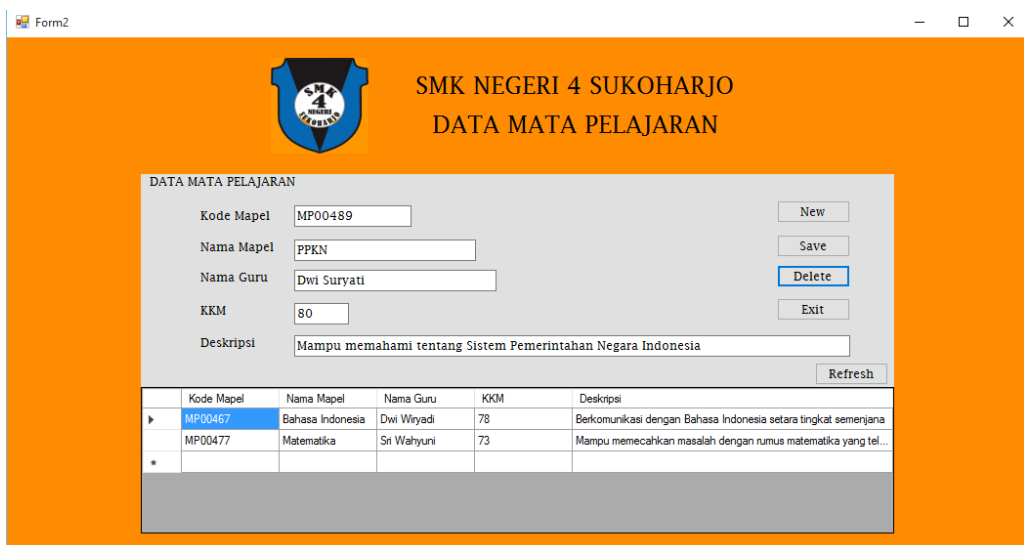
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	kode_mapel	char(10)	utf8mb4_general_ci		No	None			Change Drop More
2	nama_mapel	varchar(25)	utf8mb4_general_ci		No	None			Change Drop More
3	nama_guru	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
4	kkm	varchar(5)	utf8mb4_general_ci		No	None			Change Drop More
5	deskripsi	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More

Table Data:

kode_mapel	nama_mapel	nama_guru	kkm	deskripsi
MP00467	Bahasa Indonesia	Dwi Wiryadi	78	Berkomunikasi dengan Bahasa Indonesia setara tingk...
MP00477	Matematika	Sri Wahyuni	73	Mampu memecahkan masalah dengan rumus matematika
MP00487	IPS	Sriahayu	78	Mampu memahami tentang sejarah indonesia
MP00489	PPKN	Dwi Suryati	80	Mampu memahami tentang Sistem Pemerintahan Negara ...

4. Buatlah koneksi ODBC Connector pada control panel windows 10
5. Aktifkan Visual Studio 2012 & design form inputan di bawah ini :

1.3.1 Form Data Mata Pelajaran



The screenshot shows a Windows form titled 'Form2' with a logo of SMK NEGERI 4 SUKOHARJO. The form is for 'DATA MATA PELAJARAN' and contains input fields for 'Kode Mapel', 'Nama Mapel', 'Nama Guru', 'KKM', and 'Deskripsi'. There are buttons for 'New', 'Save', 'Delete', 'Exit', and 'Refresh'. Below the input fields is a table showing the data entered.

Form Fields:

- Kode Mapel: MP00489
- Nama Mapel: PPKN
- Nama Guru: Dwi Suryati
- KKM: 80
- Deskripsi: Mampu memahami tentang Sistem Pemerintahan Negara Indonesia

Table Data:

Kode Mapel	Nama Mapel	Nama Guru	KKM	Deskripsi
MP00467	Bahasa Indonesia	Dwi Wiryadi	78	Berkomunikasi dengan Bahasa Indonesia setara tingkat semenjana
MP00477	Matematika	Sri Wahyuni	73	Mampu memecahkan masalah dengan rumus matematika yang tel...

1.3.2 Properties Data Mata Pelajaran

Nama Control	Properties	Value
Label 1-2	Text	SMK NEGERI 4 SUKOHARJO, DATA MATA PELAJARAN
PictureBox1	Image SizeMode	Gambar yang dipakai (logo) StretchImage
GroupBox1	Text	DATA MATA PELAJARAN
Label 3-7	Text	Kode Mapel, Nama Mapel, Nama Guru, KKM, Deskripsi
Textbox 1-5	Text Name	Kosong tkode_mapel, tnama_mapel, tnama_guru, tkkm, tdeskripsi
Button 1 – 5	Text	NEW, SAVE, DELETE, EXIT, REFRESH
DataGridView1		

1.3.3 Listing Program Data Mata Pelajaran

General

```
Imports System.Data.Odbc
Public Class Form2
    Dim con As OdbcConnection
    Dim dr As OdbcDataReader
    Dim da As OdbcDataAdapter
    Dim ds As DataSet
    Dim dt As DataTable
    Dim cmd As OdbcCommand
```

Module Koneksi

```
Sub koneksi()
    con = New OdbcConnection
    con.ConnectionString = "dsn=db_smk_smk"
    con.Open()
End Sub
```

Module Simpan

```
Sub simpan()
    koneksi()
    Dim sql As String = "insert into tbmapel values('" & tkode_mapel.Text
    & "','" & tnama_mapel.Text & "','" & tnama_guru.Text & "','" & tkkm.Text &
    "','" & tdeskripsi.Text & "')"
    cmd = New OdbcCommand(sql, con)
    cmd.ExecuteNonQuery()
    Try
        MsgBox("Menyimpan data BERHASIL", vbInformation, "INFORMASI")
    Catch ex As Exception
        MsgBox("Menyimpan data GAGAL", vbInformation, "PERINGATAN")
    End Try
End Sub
```

Module Tampil

```

Sub tampil()
    DataGridView1.Rows.Clear()
    Try
        koneksi()
        da = New OdbcDataAdapter("select *from tbmapel order by kode_mapel
asc", con)
        dt = New DataTable
        da.Fill(dt)
        For Each row In dt.Rows
            DataGridView1.Rows.Add(row(0), row(1), row(2), row(3), row(4))
        Next
        dt.Rows.Clear()
    Catch ex As Exception
        MsgBox("Menampilkan data GAGAL")
    End Try
End Sub

```

Form Load

tampil()

Tombol New

```

tkode_mapel.Text = ""
tnama_mapel.Text = ""
tnama_guru.Text = ""
tkkm.Text = ""
tdeskripsi.Text = ""
tkode_mapel.Focus()

```

Tombol Save

simpan()

Tombol Delete

```

Dim a As String = DataGridView1.Item(0,
DataGridView1.CurrentRow.Index).Value
If a = "" Then
    MsgBox("Data Matapelajaran yang dihapus belum DIPILIH")
Else
    If (MessageBox.Show("Anda yakin menghapus data dengan kode_mapel="
& a & "...?", "Delete", MessageBoxButtons.OKCancel, MessageBoxIcon.Warning) =
Windows.Forms.DialogResult.OK) Then
        koneksi()
        cmd = New OdbcCommand("delete from tbmapel where kode_mapel='"
& a & "'", con)
        cmd.ExecuteNonQuery()
        MsgBox("Menghapus data BERHASIL", vbInformation, "INFORMASI")
        con.Close()
        tampil()
    End If
End If

```

Tombol Refresh

tampil()

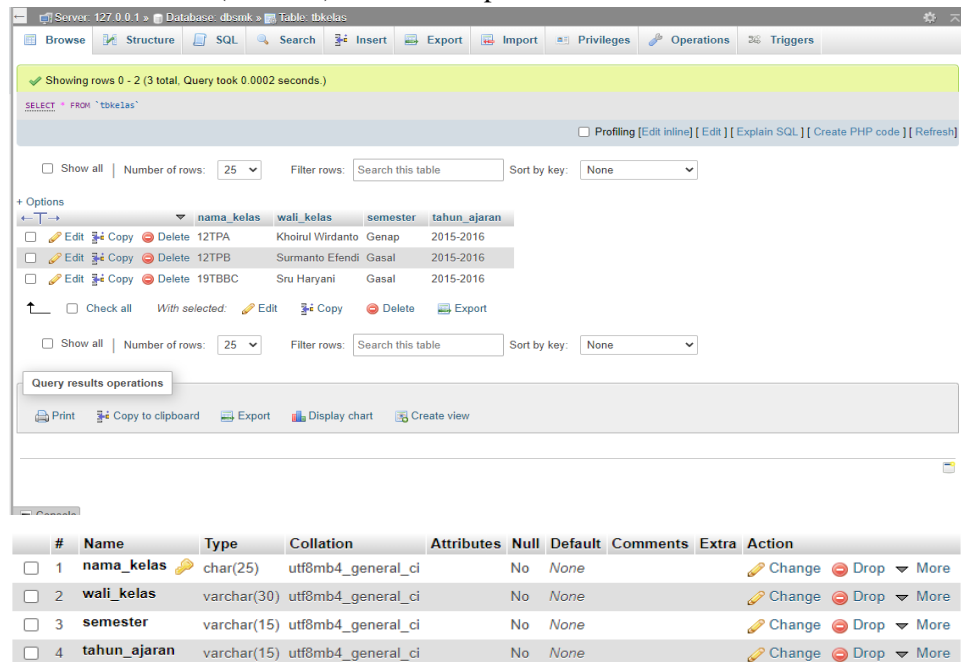
Tombol Exit

End

1.4 Data Kelas

Langkah Mengerjakan :

1. Aktifkan Xamp control
2. Buatlah database (dbsmk)
3. Buatlah table (tbkelas) & isi beberapa record data :



4. Buatlah koneksi ODBC Connector pada control panel windows 10
5. Aktifkan Visual Studio 2012 & design form inputan di bawah ini :

1.4.1 Form Data Kelas

The screenshot shows a Windows form titled 'Form3' with a background image of the SMK Negeri 4 Sukoharjo logo. The form is titled 'DATA KELAS' and contains input fields for 'Nama Kelas', 'Wali Kelas', 'Semester', and 'Tahun Ajaran'. There are buttons for 'New', 'Save', 'Delete', 'Exit', and 'Refresh'. Below the input fields is a table showing the current data in the 'tbkelas' table.

	Nama Kelas	Wali Kelas	Semester	Tahun Ajaran
▶	12TPA	Khoirul Wirdanto	Genap	2015-2016
	12TPB	Sumanto Efendi	Gasal	2015-2016
*				

1.4.2 Properties Data Kelas

Nama Control	Properties	Value
Label 1-2	Text	SMK NEGERI 4 SUKOHARJO, DATA KELAS
PictureBox1	Image SizeMode	Gambar yang dipakai (logo) StretchImage
GroupBox1	Text	DATA KELAS
Label 3-6	Text	Nama Kelas, Wali kelas, Semester, Tahun Ajaran
Textbox 1-3	Text Name	Kosong Tnama_kelas, twali_kelas, ttahun_ajaran
ComboBox 1	Text Name Items	Kosong cb1 Gasal, Genap
Button 1 – 5	Text	NEW, SAVE, DELETE, EXIT, REFRESH
DataGridView1		

1.4.3 Listing Program Data Kelas

General

```
Imports System.Data.Odbc
Public Class Form3
    Dim con As OdbcConnection
    Dim dr As OdbcDataReader
    Dim da As OdbcDataAdapter
    Dim ds As DataSet
    Dim dt As DataTable
    Dim cmd As OdbcCommand
```

Module Koneksi

```
Sub koneksi()
    con = New OdbcConnection
    con.ConnectionString = "dsn=db_smk_smk"
    con.Open()
End Sub
```

Module Simpan

```
Sub simpan()
    koneksi()
    Dim sql As String = "insert into tbkelas values('" &
tnama_kelas.Text & "','" & twali_kelas.Text & "','" & cb1.Text & "','" &
ttahun_ajaran.Text & "')"
    cmd = New OdbcCommand(sql, con)
    cmd.ExecuteNonQuery()
    Try
        MsgBox("Menyimpan data BERHASIL", vbInformation,
"INFORMASI")
    Catch ex As Exception
        MsgBox("Menyimpan data GAGAL", vbInformation, "PERINGATAN")
    End Try
End Sub
```

Module Tampil

```
Sub tampil()
```

```

DataGridView1.Rows.Clear()
Try
    koneksi()
    da = New OdbcDataAdapter("select *from tbkelas order by
nama_kelas asc", con)
    dt = New DataTable
    da.Fill(dt)
    For Each row In dt.Rows
        DataGridView1.Rows.Add(row(0), row(1), row(2), row(3))
    Next
    dt.Rows.Clear()
Catch ex As Exception
    MsgBox("Menampilkan data GAGAL")
End Try
End Sub

```

Form Load

tampil()

Tombol New

```

tnama_kelas.Text = ""
twali_kelas.Text = ""
cb1.Text = ""
ttahun_ajaran.Text = ""
tnama_kelas.Focus()

```

Tombol Save

simpan()

Tombol Delete

```

Dim a As String = DataGridView1.Item(0,
DataGridView1.CurrentRow.Index).Value
If a = "" Then
    MsgBox("Data Kelas yang dihapus belum DIPILIH")
Else
    If (MessageBox.Show("Anda yakin menghapus data dengan
nama_kelas=" & a & "...?", "Delete", MessageBoxButtons.OKCancel,
MessageBoxIcon.Warning) = Windows.Forms.DialogResult.OK) Then
        koneksi()
        cmd = New OdbcCommand("delete from tbkelas where
nama_kelas='" & a & "'", con)
        cmd.ExecuteNonQuery()
        MsgBox("Menghapus data BERHASIL", vbInformation,
"INFORMASI")
        con.Close()
        tampil()
    End If
End If
End Sub

```

Tombol Refresh

tampil()

Tombol Exit

End

1.5 Data Raport

Langkah Mengerjakan :

1. Aktifkan Xamp control
2. Buatlah database (dbsmk)
3. Buatlah table (tbraport) & isi beberapa record data :

The screenshot shows the phpMyAdmin interface for a database named 'dbsmk'. The table 'tbraport' is selected, and its structure is displayed. The table has 13 columns: nis, nama_siswa, jurusan, kelas, semester, tahun_ajaran, kode_mapel, nama_mapel, kkm, deskripsi, nilai_teoris, nilai_praktek, and nilai_rata. Below the structure, the table data is shown with 4 records.


nis	nama_siswa	jurusan	kelas	semester	tahun_ajaran	kode_mapel	nama_mapel	kkm	deskripsi	nilai_teoris	nilai_praktek	nilai_rata
190109933	Putria Putri	Busana Butik	19TBBC	Gasal	2015-2016	MP00467	Bahasa Indonesia	78	Berkomunikasi dengan Bahasa Indonesia setara tingk...	80	91	85,5
190109933	Putria Putri	Busana Butik	19TBBC	Gasal	2015-2016	MP00477	Matematika	73	Mampu memecahkan masalah dengan rumus matematika	070	083	76,5
190109933	Putria Putri	Busana Butik	19TBBC	Gasal	2015-2016	MP00489	PPKN	80	Mampu memahami tentang Sistem Pemerintahan Negara ...	090	082	86
190109933	Putria Putri	Busana Butik	19TBBC	Gasal	2015-2016	MP00487	IPS	78	Mampu memahami tentang sejarah Indonesia	080	086	83

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	nis	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
2	nama_siswa	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
3	jurusan	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
4	kelas	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
5	semester	varchar(15)	utf8mb4_general_ci		No	None			Change Drop More
6	tahun_ajaran	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
7	kode_mapel	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
8	nama_mapel	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
9	kkm	varchar(5)	utf8mb4_general_ci		No	None			Change Drop More
10	deskripsi	varchar(100)	utf8mb4_general_ci		No	None			Change Drop More
11	nilai_teoris	varchar(5)	utf8mb4_general_ci		No	None			Change Drop More
12	nilai_praktek	varchar(5)	utf8mb4_general_ci		No	None			Change Drop More
13	nilai_rata	varchar(5)	utf8mb4_general_ci		No	None			Change Drop More

4. Buatlah koneksi ODBC Connector pada control panel windows 10
5. Aktifkan Visual Studio 2012 & design form inputan di bawah ini :

1.5.1 Form Data Raport

Form4



SMK NEGERI 4 SUKOHARJO DATA RAPORT

Data Siswa

NIS: 190109933

Nama Siswa: Putria Putri

Jurusan: Busana Butik

Data Kelas

Kelas: 19TBBC

Semester: Gasal

Tahun Ajaran: 2015-2016

New

Save

Delete

Exit

Data Mapel

Kode Mapel: MP00489

Nama Mapel: PPKN

KKM: 80

Deskripsi: Mampu memahami tentang Sistem Pemerintahan Negara Indonesia

Nilai Teori: 90


Nilai Praktek: 82

Nilai Rata-Rata: 86

Refresh

	NIS	Nama Siswa	Jurusan	Kelas	Semester	Tahun Ajaran	Kode Mapel
▶	190109933	Putria Putri	Busana Butik	19TBBC	Gasal	2015-2016	MP00489
*							

Form4



SMK NEGERI 4 SUKOHARJO DATA RAPORT

Data Siswa

NIS: 190109933

Nama Siswa: Putria Putri

Jurusan: Busana Butik

Data Kelas

Kelas: 19TBBC

Semester: Gasal

Tahun Ajaran: 2015-2016

New

Save

Delete

Exit

Data Mapel

Kode Mapel: MP00489

Nama Mapel: PPKN

KKM: 80

Deskripsi: Mampu memahami tentang Sistem Pemerintahan Negara Indonesia

Nilai Teori: 90

Nilai Praktek: 82

Nilai Rata-Rata: 86

Refresh

	Mapel	Nama Mapel	KKM	Deskripsi	Nilai Teori	Nilai Praktek	Nilai Rata-Rata
▶		PPKN	80	Mampu memaha...	90	82	86
*							

1.5.2 Properties Data Raport

Nama Control	Properties	Value
Label 1-2	Text	SMK NEGERI 4 SUKOHARJO, DATA RAPORT
PictureBox1	Image SizeMode	Gambar yang dipakai (logo) StretchImage
GroupBox1 GroupBox2 GroupBox3	Text Text Text	DATA SISWA DATA KELAS DATA MAPEL
Label 3-15	Text	NIS, Nama Siswa, Jurusan, Kelas, Semester, Tahun Ajaran, Kode Mapel, Nama Mapel, KKM, Deskripsi, Nilai Teori, Nilai Praktek, Nilai Rata-Rata
Textbox 1-0	Text Name	Kosong Tnama_siswa, tjurusan, tsemester, ttahun_ajaran, tnama_mapel, tkkm, tdeskripsi, tteori, tpraktek, trata
Combobox 1 Combobox 2 Combobox 3	Text Name Text Name Text Name	Kosong cb1 Kosong cb2 Kosong cb3
Button 1 – 5	Text	NEW, SAVE, DELETE, EXIT, REFRESH
DataGridView1		

1.5.3 Listing Program Data Raport

General

```
Imports System.Data.Odbc
Public Class Form4
    Dim con As OdbcConnection
    Dim dr As OdbcDataReader
    Dim da As OdbcDataAdapter
    Dim ds As DataSet
    Dim dt As DataTable
    Dim cmd As OdbcCommand
```

Module Koneksi

```
Sub koneksi()
    con = New OdbcConnection
    con.ConnectionString = "dsn=db_smk_smk"
    con.Open()
End Sub
```

Module Simpan

```
Sub simpan()  
    koneksi()  
    Dim sql As String = "insert into tbraport values('" & cb1.Text &  
    "','" & tnama_siswa.Text & "','" & tjurusan.Text & "','" & cb2.Text &  
    "','" & tsemester.Text & "','" & ttahun_ajaran.Text & "','" & cb3.Text &  
    "','" & tnama_mapel.Text & "','" & tkkm.Text & "','" & tdeskripsi.Text &  
    "','" & tteori.Text & "','" & tpraktek.Text & "','" & trata.Text & "')"  
    cmd = New OdbcCommand(sql, con)  
    cmd.ExecuteNonQuery()  
    Try  
        MsgBox("Menyimpan data BERHASIL", vbInformation,  
"INFORMASI")  
    Catch ex As Exception  
        MsgBox("Menyimpan data GAGAL", vbInformation, "PERINGATAN")  
    End Try  
End Sub
```

Module Tampil

```
Sub tampil()  
    DataGridView1.Rows.Clear()  
    Try  
        koneksi()  
        da = New OdbcDataAdapter("select *from tbraport order by nis  
asc", con)  
        dt = New DataTable  
        da.Fill(dt)  
        For Each row In dt.Rows  
            DataGridView1.Rows.Add(row(0), row(1), row(2), row(3),  
row(4), row(5), row(6), row(7), row(8), row(9), row(10), row(11),  
row(12))  
        Next  
        dt.Rows.Clear()  
    Catch ex As Exception  
        MsgBox("Menampilkan data GAGAL")  
    End Try  
End Sub
```

Module Tampil NIS

```
Sub tampilnis()  
    cmd = New OdbcCommand("select nis from tbsiswa", con)  
    dr = cmd.ExecuteReader  
    cb1.Items.Clear()  
    Do While dr.Read  
        cb1.Items.Add(dr.Item("nis"))  
    Loop  
End Sub
```

Module Tampil Kelas

```
Sub tampilkelas()  
    cmd = New OdbcCommand("select nama_kelas from tbkelas", con)  
    dr = cmd.ExecuteReader  
    cb2.Items.Clear()  
    Do While dr.Read  
        cb2.Items.Add(dr.Item("nama_kelas"))  
    Loop  
End Sub
```

Module Tampil Mapel

```
Sub tampilmapel()  
    cmd = New OdbcCommand("select kode_mapel from tbmapel", con)  
    dr = cmd.ExecuteReader  
    cb3.Items.Clear()  
    Do While dr.Read  
        cb3.Items.Add(dr.Item("kode_mapel"))  
    Loop  
End Sub
```

Form Load

```
tampil()  
tampilnis()  
tampilkelas()  
tampilmapel()
```

Tombol New

```
tcb1.Text = "-pilih-"  
tnama_siswa.Text = ""  
tjurusan.Text = ""  
cb2.Text = "-pilih"  
tsemester.Text = ""  
ttahun_ajaran.Text = ""  
cb3.Text = "-pilih-"  
tnama_mapel.Text = ""  
tkkm.Text = ""  
tdeskripsi.Text = ""  
tteori.Text = "0"  
tpraktek.Text = "0"  
trata.Text = "0"  
cb1.Focus()nama_kelas.Text = ""  
twali_kelas.Text = ""  
cb1.Text = ""  
ttahun_ajaran.Text = ""  
tnama_kelas.Focus()
```

Tombol Save

```
simpan()
```

Tombol Delete

```
Dim a As String = DataGridView1.Item(0,  
DataGridView1.CurrentRow.Index).Value  
If a = "" Then  
    MsgBox("Data yang ingin dihapus belum DIPILIH")  
Else  
    If (MessageBox.Show("Anda yakin menghapus data dengan nis=" & a & "...?", "Delete", MessageBoxButtons.OKCancel, MessageBoxIcon.Warning) = Windows.Forms.DialogResult.OK) Then  
        koneksi()  
        cmd = New OdbcCommand("delete from tbraport where nis='" & a & "'", con)  
        cmd.ExecuteNonQuery()  
        MsgBox("Menghapus data BERHASIL", vbInformation, "INFORMASI")  
        con.Close()  
        tampil()  
    End If
```

Tombol Refresh

tampil()

Tombol Exit

End

ComboBox NIS (cb1)

```
cmd = New OleDbCommand("select * from tbsiswa where nis='" & cb1.Text &
"'", con)
dr = cmd.ExecuteReader
dr.Read()
If dr.HasRows Then
    tnama_siswa.Text = dr.Item("nama_siswa")
    tjurusan.Text = dr.Item("jurusan")
Else : MsgBox("No.Induk Siswa tidak ada")
End If
```

ComboBox Kelas (cb2)

```
cmd = New OleDbCommand("select * from tbkelas where nama_kelas='" &
cb2.Text & "'", con)
dr = cmd.ExecuteReader
dr.Read()
If dr.HasRows Then
    tsemester.Text = dr.Item("semester")
    ttahun_ajaran.Text = dr.Item("tahun_ajaran")
Else : MsgBox("Data Kelas tidak ada")
End If
```

ComboBox Mapel (cb3)

```
cmd = New OleDbCommand("select * from tbmapel where kode_mapel='" &
cb3.Text & "'", con)
dr = cmd.ExecuteReader
dr.Read()
If dr.HasRows Then
    tnama_mapel.Text = dr.Item("nama_mapel")
    tkkm.Text = dr.Item("kkm")
    tdeskripsi.Text = dr.Item("deskripsi")
Else : MsgBox("Data Matapelajaran tidak ada")
End If
```

Nilai Praktek

```
Dim teori As Integer
Dim praktek As Integer
Dim rata As Single
teori = CInt(tteori.Text)
praktek = CInt(tpraktek.Text)
rata = CSng((teori + praktek) / 2)
trata.Text = rata
```

1.6 Report Siswa

1.6.1 Form Crystal Report Siswa

The screenshot shows a Crystal Report window titled 'Form5'. The report is titled 'LAPORAN DATA SISWA SMK N 4 SUKOHARJO' and is dated '30/12/2020'. It contains a table with the following data:

NIS	Nama Siswa	Jenis Kel	Tempat Lahir	No. Telepon	Jurusan	Tahun	Orang Tua	Pekerjaan
190013212	Rifai Hasyam	Laki-Laki	Surakarta	08922675549	Teknik Pemesinan	2015	Suryadi	Petani
190109933	Putria Putri	Perempuan	Jakarta	08913367833	Busana Butik	2015	Abimanyu	Pengusaha

The report footer shows 'Current Page No.: 1', 'Total Page No.: 1', and 'Zoom Factor: 100%'. There is an 'Exit' button in the bottom right corner.

1.6.2 Design Crystal Report lapKELAS

The screenshot shows the design view of a Crystal Report. The report is divided into five sections:

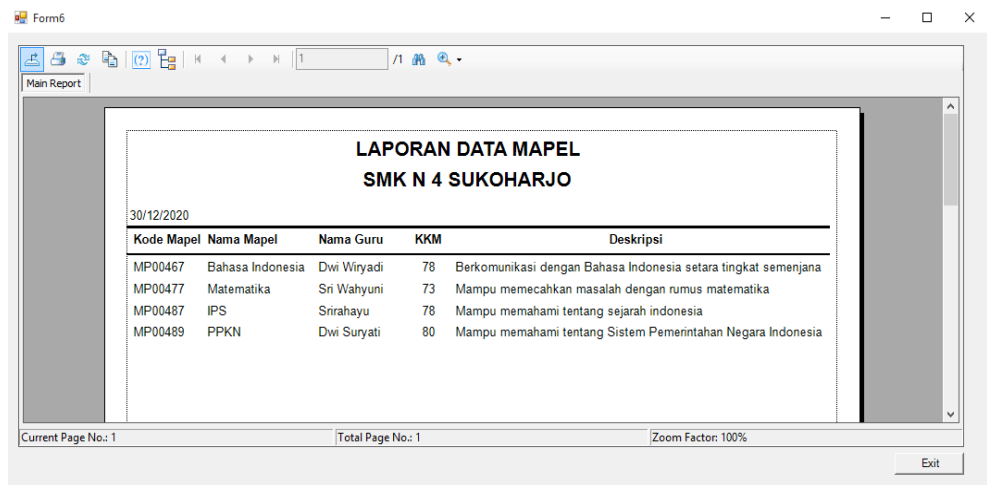
- Section1 (Report Header):** Contains the title 'LAPORAN DATA SISWA' and 'SMK N 4 SUKOHARJO'.
- Section2 (Page Header):** Contains the text 'Print Date'.
- Section3 (Details):** Contains a table with the following data:

NIS	Nama Siswa	Jenis Kel	Tempat Lahir	No. Telepon	Jurusan	Tahun	Orang Tua	Pekerjaan
{nis}	{nama_siswa}	{jenis_kel}	{empat_lahir}	{no_telepon}	{jurusan}	{tahun}	{nama_ortu}	{pekerjaan_or}

- Section4 (Report Footer):** Contains the text 'Page Number'.
- Section5 (Page Footer):** Contains the text 'Page Number'.

1.7 Report Mapel

1.7.1 Form Crystal Report Mapel

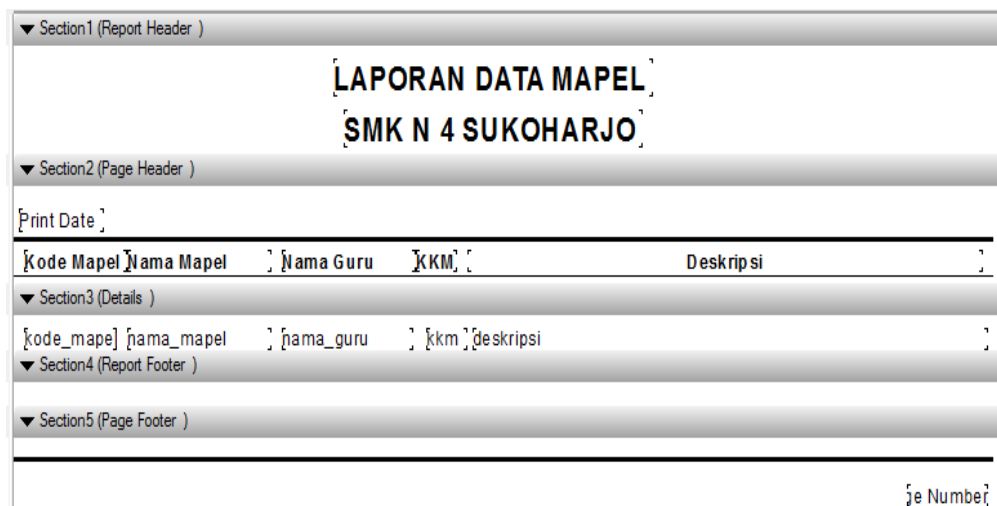


30/12/2020

Kode Mapel	Nama Mapel	Nama Guru	KKM	Deskripsi
MP00467	Bahasa Indonesia	Dwi Wiryadi	78	Berkomunikasi dengan Bahasa Indonesia setara tingkat semenjana
MP00477	Matematika	Sri Wahyuni	73	Mampu memecahkan masalah dengan rumus matematika
MP00487	IPS	Sirahayu	78	Mampu memahami tentang sejarah indonesia
MP00489	PPKN	Dwi Suryati	80	Mampu memahami tentang Sistem Pemerintahan Negara Indonesia

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100% Exit

1.7.2 Design Crystal Report lapMAPEL



▼ Section1 (Report Header)

{LAPORAN DATA MAPEL}
{SMK N 4 SUKOHARJO}

▼ Section2 (Page Header)

{Print Date }

{Kode Mapel } {Nama Mapel } {Nama Guru } {KKM} { Deskripsi }

▼ Section3 (Details)

{code_mapel} {nama_mapel } {nama_guru } {kkm} {deskripsi }

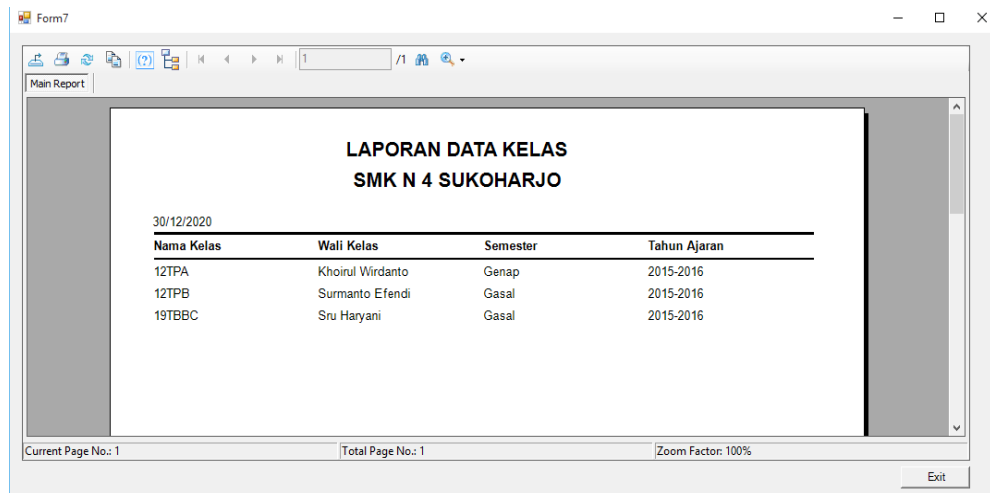
▼ Section4 (Report Footer)

▼ Section5 (Page Footer)

{Page Number }

1.8 Report Kelas

1.8.1 Form Crytal Report Kelas



30/12/2020

Nama Kelas	Wali Kelas	Semester	Tahun Ajaran
12TPA	Khoirul Wirdanto	Genap	2015-2016
12TPB	Surmanto Efendi	Gasal	2015-2016
19TBBC	Sru Haryani	Gasal	2015-2016

Current Page No.: 1 Total Page No.: 1 Zoom Factor: 100% Exit

1.8.2 Design Crystal Report lapKELAS



▼ Section1 (Report Header)

[LAPORAN DATA KELAS]
[SMK N 4 SUKOHARJO]

▼ Section2 (Page Header)

{ Print Date }

▼ Section3 (Details)

{ Nama Kelas }	{ Wali Kelas }	{ Semester }	{ Tahun Ajaran }
{ nama_kelas }	{ wali_kelas }	{ semester }	{ tahun_ajaran }

▼ Section4 (Report Footer)

▼ Section5 (Page Footer)

{ Page Number }

1.9 Report Report

1.9.1 Form Report Report

The screenshot shows a report form window titled 'Form8'. The report is titled 'RAPORT SISWA SMK N 4 SUKOHARJO'. It contains student information: NIS: 190109933, Kelas: 19TBBC, Nama: Putria Putri, Semester: Gasal, Jurusan: Busana Butik, Tahun Ajaran: 2015-2016. Below this is a table with columns: Nama Mapel, KKM, Teori, Praktek, Akhir, and Deskripsi. The table contains three rows of data for Bahasa Indonesia, Matematika, and IPS. The footer shows 'Current Page No.: 1', 'Total Page No.: 1', and 'Zoom Factor: 100%'. There is an 'Exit' button in the bottom right corner.

Nama Mapel	KKM	Teori	Praktek	Akhir	Deskripsi
Bahasa Indonesia	78	80	91	85,5	Berkomunikasi dengan Bahasa Indonesia setara tingkat semenj
Matematika	73	070	083	76,5	Mampu memecahkan masalah dengan rumus matematika
PPKN	80	090	082	86	Mampu memahami tentang Sistem Pemerintahan Negara Indon
IPS	78	080	086	83	Mampu memahami tentang sejarah Indonesia

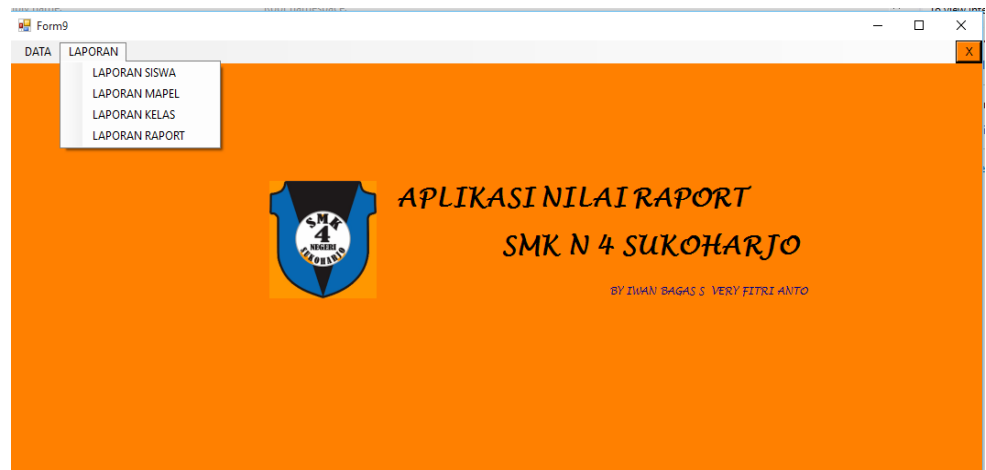
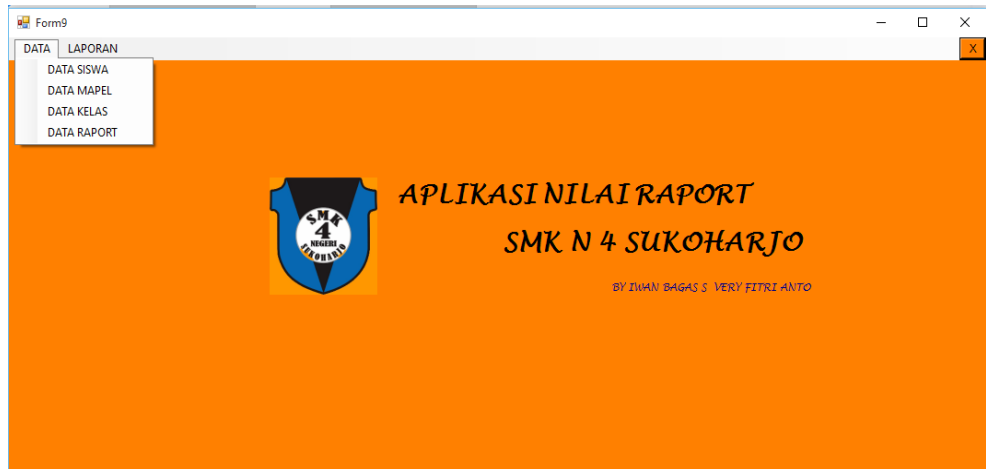
1.9.2 Design Crystal Report lapRaport

The screenshot shows the design view of a Crystal Report. It is divided into five sections: Section1 (Report Header), Section2 (Page Header), Section3 (Details), Section4 (Report Footer), and Section5 (Page Footer). Section1 contains the report title 'RAPORT SISWA' and 'SMK N 4 SUKOHARJO'. Section2 contains student information fields: NIS, Nama, Jurusan, Kelas, Semester, and Tahun Ajaran. Section3 contains a table with columns: Nama Mapel, KKM, Teori, Praktek, Akhir, and Deskripsi. Section4 and Section5 are currently empty.

Nama Mapel	KKM	Teori	Praktek	Akhir	Deskripsi

1.10 Menu Aplikasi

1.10.1 Form Menu Aplikasi



1.10.2 Properties Menu Aplikasi

Nama Control	Properties	Value
Label 1-3	Text	Aplikasi Nilai Raport, Smk n 4 Sukoharjo, By Iwan Bagus S Very Fitri Anto
PictureBox1	Image	Gambar yang dipakai (logo)
Menu Strip	Text	Data Data Siswa Data Mapel Data Kelas Data Raport Laporan Laporan Siswa Laporan Mapel Laporan Kelas Laporan Raport

1.10.3 Listing Program Menu Aplikasi

Data Siswa

Form1.Show()

Data Mapel

Form2.Show()

Data Kelas

Form3.Show()

Data Raport

Form4.Show()

Laporan Siswa

Form5.Show()

Laporan Mapel

Form6.Show()

Laporan Kelas

Form7.Show()

Laporan Raport

Form8.Show()

Button Exit

Close()