

Nama : Muhammad Hadiseptian Nursukamto

NIM : 2109106058 Kelas : B1'21

Posttest 4

1. Link Video Demo Program

<https://youtu.be/bK8Hc2abiMA>

2. Screenshot Tabel Database

Browse		Structure		SQL		Search		Insert		Export		Import		Privileges		Operations		Tracking		Triggers	
Table structure		Relation view																			
	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action											
<input type="checkbox"/>	1	kode	int(7)			No	None		AUTO_INCREMENT	Change	Drop	More									
<input type="checkbox"/>	2	nama	varchar(100)	utf8mb4_general_ci		No	None			Change	Drop	More									
<input type="checkbox"/>	3	stok	int(3)			No	None			Change	Drop	More									
<input type="checkbox"/>	4	harga	int(11)			No	None			Change	Drop	More									
<input type="checkbox"/>	5	gambar	text	utf8mb4_general_ci		No	None			Change	Drop	More									

3. Source Code Program

Link Github

<https://github.com/IAMGroots/Praktikum-Pemrograman-Visual>

Module Bantuan

```
Imports MySql.Data.MySqlClient

Module Bantuan
    Public PATH_GAMBAR As String = "D:\Proyek Visual
    Studio\Praktikum\2109106058_MuhammadHadiseptianNursukamto_Posttest4\Database
    Gambar\"

    Public CONN As MySqlConnection
    Public CMD As MySqlCommand
    Public RD As MySqlDataReader
    Public DA As MySqlDataAdapter
    Public DS As DataSet
    Public DATABASE As String

    Sub koneksi()
        Try
            'DATABASE =
            "server=localhost;userid=root;password=;database=dbpraktikum"
            Dim DATABASE As String =
            "server=localhost;userid=root;password=;database=dbPraktikum"
            CONN = New MySqlConnection(DATABASE)
            If CONN.State = ConnectionState.Closed Then
                CONN.Open()
            End If
        Catch ex As Exception
```

```

        MessageBox.Show(ex.Message)
    End Try
End Sub
End Module

```

Form Main

```

Public Class Main
    Sub tampilkanPanel(ByVal namaForm As Form)
        namaForm.TopLevel = False
        namaForm.WindowState = FormWindowState.Maximized
        panelUtama.Controls.Add(namaForm)
        namaForm.Show()
    End Sub
    Private Sub btn1_Click(sender As Object, e As EventArgs) Handles
        btnLihat.Click
            btnLihat.BackColor = Color.LightSalmon
            btnTambah.BackColor = Color.LightBlue
            Dim form = New Lihat
            tampilkanPanel(form)
        End Sub

    Private Sub btnTambah_Click(sender As Object, e As EventArgs) Handles
        btnTambah.Click
            btnTambah.BackColor = Color.Moccasin
            btnLihat.BackColor = Color.LightBlue
            Dim form = New Tambah
            tampilkanPanel(form)
        End Sub

    Private Sub Main_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        Dim form = New Lihat
        btnLihat.PerformClick()
        tampilkanPanel(form)
        koneksi()
    End Sub
End Class

```

Form Lihat

```

Imports MySql.Data.MySqlClient

Public Class Lihat
    Private Sub Create_Load(sender As Object, e As EventArgs) Handles
        MyBase.Load
            koneksi()

            DA = New MySqlDataAdapter("Select * From produk", CONN)
            DS = New DataSet
            DS.Clear()
            DA.Fill(DS, "produk")

            Dim dt As DataTable = DS.Tables("produk")
            Dim jmlBaris As Integer = dt.Rows.Count
            Dim jmlKolom As Integer = dt.Columns.Count
            Dim array(jmlBaris - 1, jmlKolom - 1) As String
            For i As Integer = 0 To jmlBaris - 1
                lblKosong.Visible = False
                For j As Integer = 0 To jmlKolom - 1
                    array(i, j) = dt.Rows(i).Item(j).ToString()
                Next j
            Next i
        End Sub
    End Sub
End Class

```

```

        Next
        Dim produk As New Produk
        With produk
            .btnKodeProduk.Text = array(i, 0)
            .btnNamaProduk.Text = array(i, 1)
            Dim hrg As Integer = array(i, 3)
            .btnHargaProduk.Text = "Rp " & FormatNumber(hrg, 0,
TriState.True)
            .PictureBox1.Image = Image.FromFile(PATH_GAMBAR & array(i, 4))
        End With
        produk.TopLevel = False
        FlowLayoutPanel1.Controls.Add(produk)
        produk.Show()
    Next
End Sub
End Class

```

Form Tambah

```

Imports System.IO
Imports MySql.Data.MySqlClient

Public Class Tambah
    Sub bersihkan()
        txtNamaProduk.Text = ""
        txtStokProduk.Text = 0
        txtHargaProduk.Text = 0
        pctGambarProduk.Image = Nothing
        txtNamaProduk.Focus()
        clickMe.Visible = True
    End Sub
    Private Sub pctGambarProduk_Click(sender As Object, e As EventArgs) Handles
pctGambarProduk.Click
        opnfileGambar.FileName = ""
        opnfileGambar.Filter = "JPG Files (*.jpg)|*.jpg|JPEG Files
(*.jpeg)|*.jpeg|PNG Files (*.png)|*.png"
        If opnfileGambar.ShowDialog() = DialogResult.OK Then
            clickMe.Visible = False
            Dim lokasiAsal As String = opnfileGambar.FileName
            Dim namaFile As String = Path.GetFileName(lokasiAsal)
            Dim lokasiTujuan As String = Path.Combine(PATH_GAMBAR, namaFile)

            DA = New MySqlDataAdapter("Select * From produk", CONN)
            DS = New DataSet
            DS.Clear()
            DA.Fill(DS, "produk")

            Dim dt As DataTable = DS.Tables("produk")
            Dim jmlBaris As Integer = dt.Rows.Count
            Dim jmlKolom As Integer = dt.Columns.Count
            Dim array(jmlBaris - 1, jmlKolom - 1) As String
            For i As Integer = 0 To jmlBaris - 1
                For j As Integer = 0 To jmlKolom - 1
                    array(i, j) = dt.Rows(i).Item(j).ToString()
                Next
                If array(i, 4) = namaFile Then
                    MsgBox("Gambar sudah tersedia", MsgBoxStyle.Information,
"Pemberitahuan")
                    clickMe.Visible = True
                    Return
                End If
            Next
        End If
    End Sub
End Class

```

```

        Next

        pctGambarProduk.Image = Image.FromFile(lokasiAsal)
        File.Copy(lokasiAsal, lokasiTujuan, True)
    End If
End Sub

Private Sub clickMe_Click(sender As Object, e As EventArgs) Handles
clickMe.Click
    opnfileGambar.FileName = ""
    opnfileGambar.Filter = "JPG Files (*.jpg)|*.jpg|JPEG Files
(*.jpeg)|*.jpeg|PNG Files (*.png)|*.png"
    If opnfileGambar.ShowDialog() = DialogResult.OK Then
        clickMe.Visible = False
        Dim lokasiAsal As String = opnfileGambar.FileName
        Dim namaFile As String = Path.GetFileName(lokasiAsal)
        Dim lokasiTujuan As String = Path.Combine(PATH_GAMBAR, namaFile)

        DA = New MySqlDataAdapter("Select * From produk", CONN)
        DS = New DataSet
        DS.Clear()
        DA.Fill(DS, "produk")

        Dim dt As DataTable = DS.Tables("produk")
        Dim jmlBaris As Integer = dt.Rows.Count
        Dim jmlKolom As Integer = dt.Columns.Count
        Dim array(jmlBaris - 1, jmlKolom - 1) As String
        For i As Integer = 0 To jmlBaris - 1
            For j As Integer = 0 To jmlKolom - 1
                array(i, j) = dt.Rows(i).Item(j).ToString()
            Next
            If array(i, 4) = namaFile Then
                MsgBox("Gambar sudah tersedia", MsgBoxStyle.Information,
"Pemberitahuan")
                clickMe.Visible = True
                Return
            End If
        Next

        pctGambarProduk.Image = Image.FromFile(lokasiAsal)
        File.Copy(lokasiAsal, lokasiTujuan, True)
    End If
End Sub

Private Sub txtNamaProduk_KeyPress(sender As Object, e As
KeyPressEventArgs) Handles txtNamaProduk.KeyPress
    If e.KeyChar = Chr(13) Then
        txtStokProduk.Focus()
    End If
End Sub

Private Sub txtStokProduk_KeyPress(sender As Object, e As
KeyPressEventArgs) Handles txtStokProduk.KeyPress
    If Asc(e.KeyChar) <> 8 Then
        If Asc(e.KeyChar) < 48 Or Asc(e.KeyChar) > 57 Then
            e.Handled = True
        End If
    End If

    If e.KeyChar = Chr(13) Then
        txtHargaProduk.Focus()
    End If
End Sub

```

```

    Private Sub txtHargaProduk_KeyPress(sender As Object, e As
KeyPressEventArgs) Handles txtHargaProduk.KeyPress
        If Asc(e.KeyChar) <> 8 Then
            If Asc(e.KeyChar) < 48 Or Asc(e.KeyChar) > 57 Then
                e.Handled = True
            End If
        End If

        If e.KeyChar = Chr(13) Then
            clickMe.PerformClick()
        End If
    End Sub

    Private Sub btnSimpan_Click(sender As Object, e As EventArgs) Handles
btnSimpan.Click
        If txtNamaProduk.Text = "" Then
            txtNamaProduk.Focus()
            Return
        ElseIf txtStokProduk.Text = 0 Then
            txtStokProduk.Focus()
            Return
        ElseIf txtHargaProduk.Text = 0 Then
            txtHargaProduk.Focus()
            Return
        ElseIf pctGambarProduk.Image.Equals(Nothing) Then
            MsgBox("Gambar belum diisi", MsgBoxStyle.Information,
"Pemberitahuan")
            Return
        End If

        Dim namaProduk As String = txtNamaProduk.Text
        Dim stokProduk As Integer = txtStokProduk.Text
        Dim hargaProduk As Integer = txtHargaProduk.Text
        Dim gambarProduk As String = Path.GetFileName(opnfileGambar.FileName)

        'kode nama stok harga gambar
        Dim query As String = "Insert Into produk(kode, nama, stok, harga,
gambar) Values (NULL, '" & namaProduk & "', '" & stokProduk & "', '" &
hargaProduk & "', '" & gambarProduk & "')"
        CMD = New MySqlCommand(query, CONN)
        CMD.ExecuteNonQuery()
        MsgBox("Produk Berhasil Ditambahkan", MsgBoxStyle.Information,
"Pemberitahuan")
        bersihkan()
    End Sub

    Private Sub btnBatal_Click(sender As Object, e As EventArgs) Handles
btnBatal.Click
        bersihkan()
    End Sub

    Private Sub Tambah_Load(sender As Object, e As EventArgs) Handles
MyBase.Load
        koneksi()
        bersihkan()
    End Sub
End Class

```

Form Produk

```
Public Class Produk
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles
Button1.Click
        MsgBox("Fitur dalam tahap pengembangan", MsgBoxStyle.Information,
"Pemberitahuan")
        'MsgBox("Gambar belum diisi", MsgBoxStyle.Information, "Pemberitahuan")
    End Sub

    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles
Button4.Click
        MsgBox("Fitur dalam tahap pengembangan", MsgBoxStyle.Information,
"Pemberitahuan")
    End Sub
End Class
```