Nama : Muhammad Hadiseptian Nursukamto

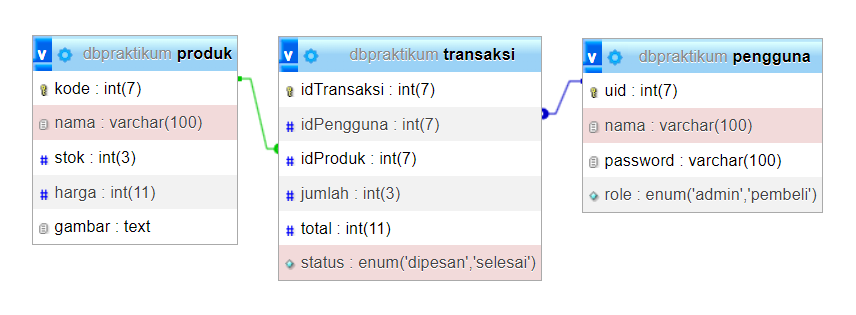
NIM : 2109106058 Kelas : B1’21

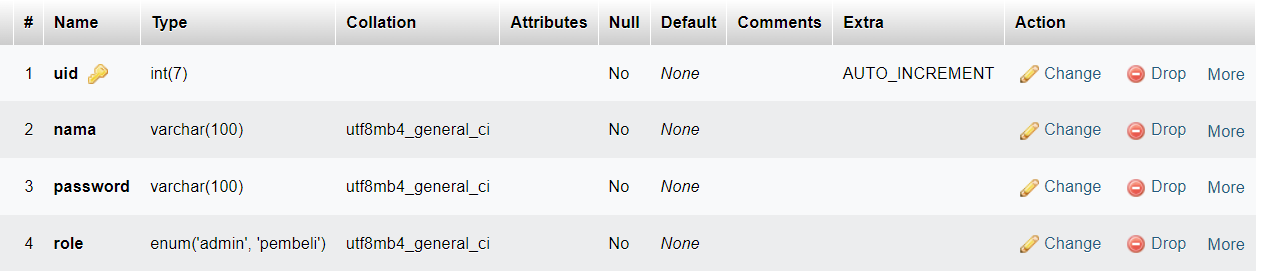
Posttest 6

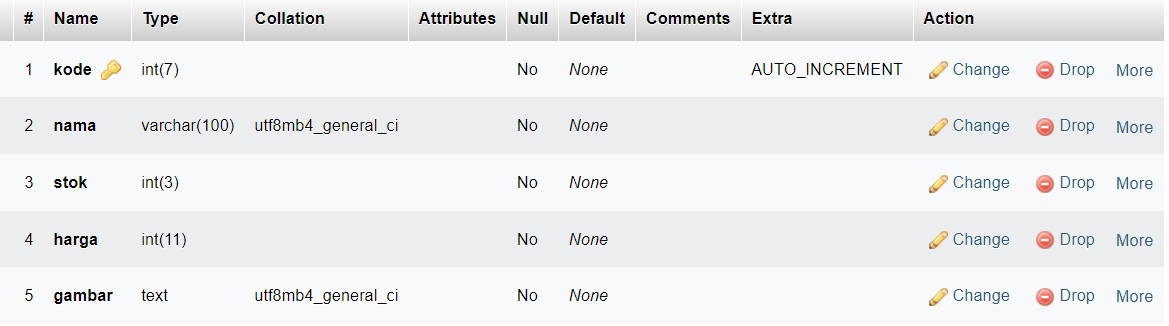
1. Link Video Demo Program

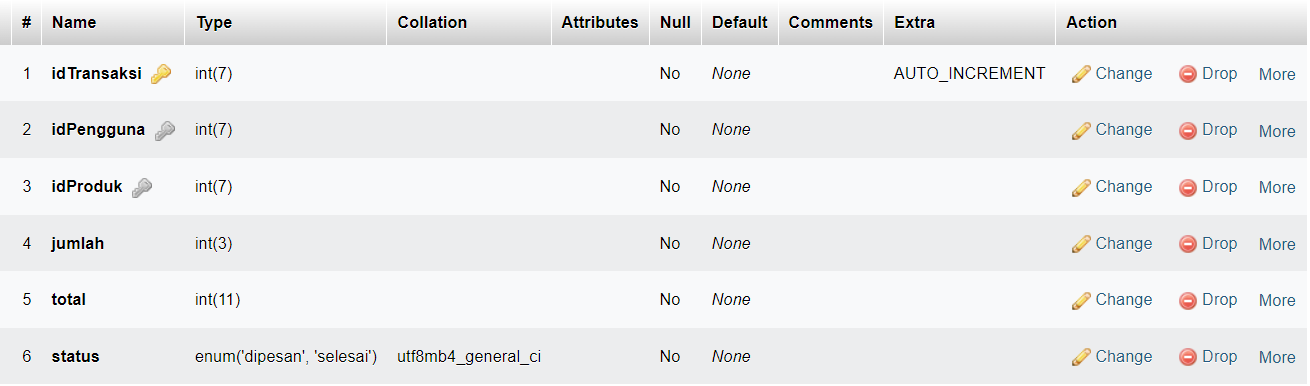
<https://youtu.be/CgUmthCbntc>

2. Screenshot Tabel Database









3. Source Code Program

Link Github

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

Module Bantuan

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| Imports MySql.Data.MySqlClient  Module Bantuan  Public PATH\_GAMBAR As String = CurDir() & "\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  Public UID As String  Public ROLE\_AKTIF As String  Sub koneksi()  Try  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 Login

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| Imports MySql.Data.MySqlClient  Public Class Login  Private Sub Login\_Load(sender As Object, e As EventArgs) Handles MyBase.Load  koneksi()  pctBackground.ImageLocation = PATH\_GAMBAR & "background2.png"  txtUsername.Focus()  End Sub  Private Sub btnGoogle\_Click(sender As Object, e As EventArgs) Handles btnGoogle.Click  MsgBox("Fitur masih dalam tahap pengembangan")  End Sub  Private Sub btnFacebook\_Click(sender As Object, e As EventArgs) Handles btnFacebook.Click  MsgBox("Fitur masih dalam tahap pengembangan")  End Sub  Private Sub btnTwitter\_Click(sender As Object, e As EventArgs) Handles btnTwitter.Click  MsgBox("Fitur masih dalam tahap pengembangan")  End Sub  Private Sub lblDaftar\_Click(sender As Object, e As EventArgs) Handles lblDaftar.Click  MsgBox("Fitur masih dalam tahap pengembangan")  End Sub  Private Sub txtUsername\_GotFocus(sender As Object, e As EventArgs) Handles txtUsername.GotFocus  lblUsername.ForeColor = Color.MediumSeaGreen  End Sub  Private Sub txtUsername\_LostFocus(sender As Object, e As EventArgs) Handles txtUsername.LostFocus  lblUsername.ForeColor = Color.DimGray  End Sub  Private Sub txtPassword\_GotFocus(sender As Object, e As EventArgs) Handles txtPassword.GotFocus  lblPassword.ForeColor = Color.MediumSeaGreen  End Sub  Private Sub txtPassword\_LostFocus(sender As Object, e As EventArgs) Handles txtPassword.LostFocus  lblPassword.ForeColor = Color.DimGray  End Sub  Private Sub lblDaftar\_MouseEnter(sender As Object, e As EventArgs) Handles lblDaftar.MouseEnter  lblDaftar.ForeColor = Color.MediumSeaGreen  End Sub  Private Sub txtUsername\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtUsername.KeyPress  If e.KeyChar = Chr(13) Then  txtPassword.Focus()  End If  End Sub  Private Sub txtPassword\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtPassword.KeyPress  If e.KeyChar = Chr(13) Then  btnMasuk.PerformClick()  End If  End Sub  Private Sub btnMasuk\_Click(sender As Object, e As EventArgs) Handles btnMasuk.Click  If txtUsername.Text = "" And txtPassword.Text = "" Then  lblUsername.ForeColor = Color.Tomato  lblPassword.ForeColor = Color.Tomato  txtUsername.Focus()  Return  ElseIf txtUsername.Text = "" Then  lblUsername.ForeColor = Color.Tomato  txtUsername.Focus()  Return  ElseIf txtPassword.Text = "" Then  lblPassword.ForeColor = Color.Tomato  txtPassword.Focus()  Return  End If  CMD = New MySqlCommand("Select \* From pengguna Where nama='" & txtUsername.Text & "' and password='" & txtPassword.Text & "'", CONN)  RD = CMD.ExecuteReader  RD.Read()  If RD.HasRows Then  Dim role As String = RD.GetString(3)  Dim idPengguna As String = RD.GetString(0)  RD.Close()  If role = "admin" Then  UID = idPengguna  ROLE\_AKTIF = role  Admin.Show()  Me.Close()  Else  UID = idPengguna  ROLE\_AKTIF = role  Pembeli.Show()  Me.Close()  End If  ElseIf Not RD.HasRows Then  RD.Close()  MessageBox.Show("Periksa kembali Username dan Password", "Peringatan", MessageBoxButtons.OK, MessageBoxIcon.Error)  txtUsername.Focus()  txtUsername.Text = ""  txtPassword.Text = ""  End If  End Sub  End Class |

Form Admin

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| Imports MySql.Data.MySqlClient  Public Class Admin  Sub tampilkanPanel(ByVal namaForm As Form)  namaForm.TopLevel = False  namaForm.WindowState = FormWindowState.Maximized  panelUtama.Controls.Add(namaForm)  namaForm.Show()  End Sub  Private Sub btnTambah\_Click(sender As Object, e As EventArgs) Handles btnTambah.Click  Dim form = New Tambah  tampilkanPanel(form)  End Sub  Private Sub btnTambah\_MouseEnter(sender As Object, e As EventArgs) Handles btnTambah.MouseEnter  btnTambah.BackColor = Color.Green  End Sub  Private Sub btnTambah\_MouseLeave(sender As Object, e As EventArgs) Handles btnTambah.MouseLeave  btnTambah.BackColor = Color.ForestGreen  End Sub  Private Sub txtCari\_Leave(sender As Object, e As EventArgs) Handles txtCari.Leave  If txtCari.Text = "" Then  txtCari.ForeColor = Color.Gray  txtCari.Text = " Cari di Tokopaedi"  End If  End Sub  Private Sub txtCari\_Enter(sender As Object, e As EventArgs) Handles txtCari.Enter  txtCari.ForeColor = Color.Black  txtCari.Text = ""  End Sub  Private Sub txtCari\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtCari.KeyPress  If e.KeyChar = Chr(13) Then  Dim form = New HasilCari  tampilkanPanel(form)  txtCari.ForeColor = Color.Gray  txtCari.Text = " Cari di Tokopaedi"  End If  End Sub  Private Sub btnCari\_Click(sender As Object, e As EventArgs) Handles btnCari.Click  Dim form = New HasilCari  tampilkanPanel(form)  txtCari.ForeColor = Color.Gray  txtCari.Text = " Cari di Tokopaedi"  End Sub  Private Sub btnRefresh\_Click(sender As Object, e As EventArgs) Handles btnRefresh.Click  Dim form = New Lihat  tampilkanPanel(form)  End Sub  Private Sub btnKeluar\_MouseEnter(sender As Object, e As EventArgs) Handles btnKeluar.MouseEnter  btnKeluar.ForeColor = Color.White  btnKeluar.BackColor = Color.Tomato  End Sub  Private Sub btnKeluar\_MouseLeave(sender As Object, e As EventArgs) Handles btnKeluar.MouseLeave  btnKeluar.ForeColor = Color.Black  btnKeluar.BackColor = Color.Transparent  End Sub  Private Sub btnKeluar\_Click(sender As Object, e As EventArgs) Handles btnKeluar.Click  Login.Show()  Me.Close()  End Sub  Private Sub Main\_Load(sender As Object, e As EventArgs) Handles MyBase.Load  koneksi()  txtCari.ForeColor = Color.Gray  txtCari.Text = " Cari di Tokopaedi"  pctProfile.ImageLocation = PATH\_GAMBAR & "profile.png"  Dim form = New Lihat  tampilkanPanel(form)  End Sub  End Class |

Form Lihat

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| Imports MySql.Data.MySqlClient  Public Class Lihat  Private Sub Create\_Load(sender As Object, e As EventArgs) Handles MyBase.Load  koneksi()  If ROLE\_AKTIF = "admin" Then  Admin.txtCari.Visible = True  Admin.btnCari.Visible = True  Admin.btnTambah.Visible = True  Admin.btnRefresh.Visible = True  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  Dim produk As New Produk  With produk  .KodeProduk.Text = array(i, 0)  .NamaProduk.Text = array(i, 1)  Dim hrg As Integer = array(i, 3)  .HargaProduk.Text = "Rp " & FormatNumber(hrg, 0, TriState.True)  .pctProduk.ImageLocation = PATH\_GAMBAR & array(i, 4)  End With  produk.TopLevel = False  FlowLayoutPanel1.Controls.Add(produk)  produk.Show()  Next  Else  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  Dim produk As New TampilanProduk  With produk  .KodeProduk.Text = array(i, 0)  .NamaProduk.Text = array(i, 1)  Dim hrg As Integer = array(i, 3)  .HargaProduk.Text = "Rp " & FormatNumber(hrg, 0, TriState.True)  .pctProduk.ImageLocation = PATH\_GAMBAR & array(i, 4)  End With  produk.TopLevel = False  FlowLayoutPanel1.Controls.Add(produk)  produk.Show()  Next  End If  End Sub  End Class |

Form Tambah

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| 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  Sub tampilkanPanel(ByVal namaForm As Form)  namaForm.TopLevel = False  namaForm.WindowState = FormWindowState.Maximized  Admin.panelUtama.Controls.Add(namaForm)  namaForm.Show()  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  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()  Dim form = New Lihat  tampilkanPanel(form)  End Sub  Private Sub btnBatal\_Click(sender As Object, e As EventArgs) Handles btnBatal.Click  Dim form = New Lihat  tampilkanPanel(form)  End Sub  Private Sub Tambah\_Load(sender As Object, e As EventArgs) Handles MyBase.Load  koneksi()  Admin.txtCari.Visible = False  Admin.btnCari.Visible = False  Admin.btnTambah.Visible = False  Admin.btnRefresh.Visible = False  bersihkan()  End Sub  End Class |

Form Ubah

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| Imports MySql.Data.MySqlClient  Imports System.IO  Public Class Ubah  Dim gambarLama As String  Sub bersihkan()  txtNamaProduk.Text = ""  txtStokProduk.Text = 0  txtHargaProduk.Text = 0  pctGambarProduk.Image = Nothing  txtNamaProduk.Focus()  clickMe.Visible = True  End Sub  Sub tampilkanPanel(ByVal namaForm As Form)  namaForm.TopLevel = False  namaForm.WindowState = FormWindowState.Maximized  Admin.panelUtama.Controls.Add(namaForm)  namaForm.Show()  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  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 kodeProduk As String = txtKode.Text  Dim namaProduk As String = txtNamaProduk.Text  Dim stokProduk As Integer = txtStokProduk.Text  Dim hargaProduk As Integer = txtHargaProduk.Text  Dim gambarProduk As String  If Path.GetFileName(opnfileGambar.FileName) = "" Then  gambarProduk = gambarLama  Else  gambarProduk = Path.GetFileName(opnfileGambar.FileName)  End If  'kode nama stok harga gambar  Dim query As String = "Update produk Set nama='" & namaProduk & "', stok='" & stokProduk & "', harga='" & hargaProduk & "', gambar='" & gambarProduk & "' Where kode='" & kodeProduk & "'"  CMD = New MySqlCommand(query, CONN)  CMD.ExecuteNonQuery()  MsgBox("Produk Berhasil Diperbarui", MsgBoxStyle.Information, "Pemberitahuan")  bersihkan()  Dim form = New Lihat  tampilkanPanel(form)  End Sub  Private Sub btnBatal\_Click(sender As Object, e As EventArgs) Handles btnBatal.Click  Dim form = New Lihat  tampilkanPanel(form)  End Sub  Private Sub Ubah\_Load(sender As Object, e As EventArgs) Handles MyBase.Load  koneksi()  Admin.txtCari.Visible = False  Admin.btnCari.Visible = False  Admin.btnTambah.Visible = False  Admin.btnRefresh.Visible = False  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, 0) = txtKode.Text Then  gambarLama = array(i, 4)  End If  Next  End Sub  End Class |

Form HasilCari

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| Imports MySql.Data.MySqlClient  Public Class HasilCari  Private Sub hasilCari\_Load(sender As Object, e As EventArgs) Handles MyBase.Load  koneksi()  Admin.txtCari.Visible = True  Admin.btnCari.Visible = True  Admin.btnTambah.Visible = True  Dim target As String = Admin.txtCari.Text  CMD = New MySqlCommand("Select \* From produk where nama like '%" & target & "%'", CONN)  RD = CMD.ExecuteReader  RD.Read()  If RD.HasRows Then  RD.Close()  DA = New MySqlDataAdapter("Select \* From produk where nama like '%" & target & "%'", CONN)  DS = New DataSet  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  Dim produk As New Produk  With produk  .KodeProduk.Text = array(i, 0)  .NamaProduk.Text = array(i, 1)  Dim hrg As Integer = array(i, 3)  .HargaProduk.Text = "Rp " & FormatNumber(hrg, 0, TriState.True)  .pctProduk.ImageLocation = PATH\_GAMBAR & array(i, 4)  End With  produk.TopLevel = False  FlowLayoutPanel1.Controls.Add(produk)  produk.Show()  Next  Else  RD.Close()  lblKosong.Visible = True  End If  End Sub  End Class |

Form Produk

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| Imports MySql.Data.MySqlClient  Public Class Produk  Sub tampilkanPanel(ByVal namaForm As Form)  namaForm.TopLevel = False  namaForm.WindowState = FormWindowState.Maximized  Admin.panelUtama.Controls.Add(namaForm)  namaForm.Show()  End Sub  Private Sub btnUbah\_Click(sender As Object, e As EventArgs) Handles btnUbah.Click  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, 0) = KodeProduk.Text Then  Dim form = New Ubah  form.txtKode.Text = array(i, 0)  form.txtNamaProduk.Text = array(i, 1)  form.txtStokProduk.Text = array(i, 2)  form.txtHargaProduk.Text = array(i, 3)  form.pctGambarProduk.ImageLocation = PATH\_GAMBAR & array(i, 4)  tampilkanPanel(Form)  End If  Next  End Sub  Private Sub btnHapus\_Click(sender As Object, e As EventArgs) Handles btnHapus.Click  Dim hapus As String  hapus = MessageBox.Show("Anda Yakin Hapus Produk?", "Konfirmasi", MessageBoxButtons.YesNo, MessageBoxIcon.Question)  If hapus = MsgBoxResult.Yes Then  Dim kode As String = KodeProduk.Text  'kode nama stok harga gambar  Dim query As String = "Delete From produk Where kode='" & kode & "'"  CMD = New MySqlCommand(query, CONN)  CMD.ExecuteNonQuery()  MsgBox("Produk Berhasil Dihapus", MsgBoxStyle.Information, "Pemberitahuan")  Else  Exit Sub  End If  Dim form = New Lihat  tampilkanPanel(form)  End Sub  Private Sub NamaProduk\_MouseEnter(sender As Object, e As EventArgs) Handles NamaProduk.MouseEnter  NamaProduk.BackColor = Color.LightCyan  End Sub  Private Sub NamaProduk\_MouseLeave(sender As Object, e As EventArgs) Handles NamaProduk.MouseLeave  NamaProduk.BackColor = Color.Transparent  End Sub  Private Sub HargaProduk\_MouseEnter(sender As Object, e As EventArgs) Handles HargaProduk.MouseEnter  HargaProduk.BackColor = Color.LightCyan  End Sub  Private Sub HargaProduk\_MouseLeave(sender As Object, e As EventArgs) Handles HargaProduk.MouseLeave  HargaProduk.BackColor = Color.Transparent  End Sub  End Class |

Form Pembeli

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| Public Class Pembeli  Sub tampilkanPanel(ByVal namaForm As Form)  namaForm.TopLevel = False  namaForm.WindowState = FormWindowState.Maximized  panelUtama.Controls.Add(namaForm)  namaForm.Show()  End Sub  Private Sub Pembeli\_Load(sender As Object, e As EventArgs) Handles MyBase.Load  koneksi()  txtCari.ForeColor = Color.Gray  txtCari.Text = " Cari di Tokopaedi"  pctProfile.ImageLocation = PATH\_GAMBAR & "profile.png"  Dim form = New Lihat  tampilkanPanel(form)  End Sub  Private Sub btnKeranjang\_Click(sender As Object, e As EventArgs) Handles btnKeranjang.Click  Dim form = New Keranjang  tampilkanPanel(form)  End Sub  Private Sub btnKeluar\_Click(sender As Object, e As EventArgs) Handles btnKeluar.Click  Login.Show()  Me.Close()  End Sub  Private Sub btnKeluar\_MouseEnter(sender As Object, e As EventArgs) Handles btnKeluar.MouseEnter  btnKeluar.BackColor = Color.Tomato  End Sub  Private Sub btnKeluar\_MouseLeave(sender As Object, e As EventArgs) Handles btnKeluar.MouseLeave  btnKeluar.BackColor = Color.Transparent  End Sub  Private Sub btnKeranjang\_MouseEnter(sender As Object, e As EventArgs) Handles btnKeranjang.MouseEnter  btnKeranjang.BackColor = Color.MediumSeaGreen  End Sub  Private Sub btnKeranjang\_MouseLeave(sender As Object, e As EventArgs) Handles btnKeranjang.MouseLeave  btnKeranjang.BackColor = Color.Transparent  End Sub  End Class |

Form Keranjang

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| Imports MySql.Data.MySqlClient  Public Class Keranjang  Sub tampilkanPanel(ByVal namaForm As Form)  namaForm.TopLevel = False  namaForm.WindowState = FormWindowState.Maximized  Pembeli.panelUtama.Controls.Add(namaForm)  namaForm.Show()  End Sub  Private Sub Keranjang\_Load(sender As Object, e As EventArgs) Handles MyBase.Load  koneksi()  Dim totalHrg As Integer = 0  Dim totalBrng As Integer = 0  DA = New MySqlDataAdapter("Select \* From transaksi Where idPengguna='" & UID & "'", 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  Dim produk As New ProdukKeranjang  With produk  .KodeTransaksi.Text = array(i, 0)  Dim kodeProduk As String = array(i, 2)  CMD = New MySqlCommand("Select \* From produk Where kode='" & kodeProduk & "'", CONN)  RD = CMD.ExecuteReader  RD.Read()  .NamaProduk.Text = RD.GetString(1)  Dim hrg As Integer = RD.GetString(3)  .HargaProduk.Text = "Rp " & FormatNumber(hrg, 0, TriState.True)  .JumlahProduk.Text = array(i, 3)  .GambarProduk.ImageLocation = PATH\_GAMBAR & RD.GetString(4)  Dim total As Integer = array(i, 4)  totalHrg += total  totalBrng += 1  RD.Close()  End With  produk.TopLevel = False  FlowLayoutPanel1.Controls.Add(produk)  produk.Show()  Next  TotalBarang.Text = totalBrng  TotalHarga.Text = "Rp " & FormatNumber(totalHrg, 0, TriState.True)  End Sub  Private Sub btnKembali\_Click(sender As Object, e As EventArgs) Handles btnKembali.Click  Dim form = New Lihat  tampilkanPanel(form)  End Sub  Private Sub btnKembali\_MouseEnter(sender As Object, e As EventArgs) Handles btnKembali.MouseEnter  btnKembali.BackColor = Color.Tomato  End Sub  Private Sub btnKembali\_MouseLeave(sender As Object, e As EventArgs) Handles btnKembali.MouseLeave  btnKembali.BackColor = Color.Transparent  End Sub  Private Sub btnBayar\_Click(sender As Object, e As EventArgs) Handles btnBayar.Click  MsgBox("Fitur masih dalam tahap pengembangan")  End Sub  End Class |

Form ProdukKeranjang

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| Imports MySql.Data.MySqlClient  Public Class ProdukKeranjang  Sub tampilkanPanel(ByVal namaForm As Form)  namaForm.TopLevel = False  namaForm.WindowState = FormWindowState.Maximized  Pembeli.panelUtama.Controls.Add(namaForm)  namaForm.Show()  End Sub  Private Sub ProdukKeranjang\_Load(sender As Object, e As EventArgs) Handles MyBase.Load  koneksi()  End Sub  Private Sub btnPlus\_Click(sender As Object, e As EventArgs) Handles btnPlus.Click  btnMinus.Enabled = True  Dim jml As Integer = JumlahProduk.Text + 1  Dim kode As String = KodeTransaksi.Text  CMD = New MySqlCommand("Select \* From transaksi Where idTransaksi='" & KodeTransaksi.Text & "'", CONN)  RD = CMD.ExecuteReader  RD.Read()  Dim kodeProduk As String = RD.GetString(2)  RD.Close()  CMD = New MySqlCommand("Select \* From produk Where kode='" & kodeProduk & "'", CONN)  RD = CMD.ExecuteReader  RD.Read()  Dim harga As Integer = RD.GetString(3)  RD.Close()  Dim total As Integer = jml \* harga  Dim ubah As String = "Update transaksi Set jumlah='" & jml & "', total='" & total & "' Where idTransaksi='" & kode & "'"  CMD = New MySqlCommand(ubah, CONN)  CMD.ExecuteNonQuery()  JumlahProduk.Text = jml  Dim form = New Keranjang  tampilkanPanel(form)  End Sub  Private Sub btnMinus\_Click(sender As Object, e As EventArgs) Handles btnMinus.Click  If JumlahProduk.Text - 1 > 0 Then  Dim jml As Integer = JumlahProduk.Text - 1  Dim kode As String = KodeTransaksi.Text  CMD = New MySqlCommand("Select \* From transaksi Where idTransaksi='" & KodeTransaksi.Text & "'", CONN)  RD = CMD.ExecuteReader  RD.Read()  Dim kodeProduk As String = RD.GetString(2)  RD.Close()  CMD = New MySqlCommand("Select \* From produk Where kode='" & kodeProduk & "'", CONN)  RD = CMD.ExecuteReader  RD.Read()  Dim harga As Integer = RD.GetString(3)  RD.Close()  Dim total As Integer = jml \* harga  Dim ubah As String = "Update transaksi Set jumlah='" & jml & "', total='" & total & "' Where idTransaksi='" & kode & "'"  CMD = New MySqlCommand(ubah, CONN)  CMD.ExecuteNonQuery()  JumlahProduk.Text = jml  Dim form = New Keranjang  tampilkanPanel(form)  Return  End If  btnMinus.Enabled = False  End Sub  Private Sub btnHapus\_Click(sender As Object, e As EventArgs) Handles btnHapus.Click  Dim hapus As String  hapus = MessageBox.Show("Anda Yakin Hapus Produk?", "Konfirmasi", MessageBoxButtons.YesNo, MessageBoxIcon.Question)  If hapus = MsgBoxResult.Yes Then  Dim kode As String = KodeTransaksi.Text  'kode nama stok harga gambar  Dim query As String = "Delete From transaksi Where idTransaksi='" & kode & "'"  CMD = New MySqlCommand(query, CONN)  CMD.ExecuteNonQuery()  MsgBox("Barang telah dihapus", MsgBoxStyle.Information, "Pemberitahuan")  Else  Exit Sub  End If  Dim form = New Keranjang  tampilkanPanel(form)  End Sub  End Class |

Form TampilanProduk

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| Imports MySql.Data.MySqlClient  Public Class TampilanProduk  Private Sub btnTambah\_Click(sender As Object, e As EventArgs) Handles btnTambah.Click  CMD = New MySqlCommand("Select \* From produk Where kode='" & KodeProduk.Text & "'", CONN)  RD = CMD.ExecuteReader  RD.Read()  Dim harga As Integer = RD.GetString(3)  Dim jumlah As Integer = 1  Dim total As Integer = jumlah \* harga  RD.Close()  Dim tambah = "Insert Into transaksi (idTransaksi, idPengguna, idProduk, jumlah, total, status) Values (NULL,'" & UID & "', '" & KodeProduk.Text & "', '" & jumlah & "', '" & total & "', 'dipesan')"  CMD = New MySqlCommand(tambah, CONN)  CMD.ExecuteNonQuery()  MsgBox("Produk berhasil ditambahkan ke keranjang belanja", MsgBoxStyle.Information, "Pemberitahuan")  End Sub  End Class |