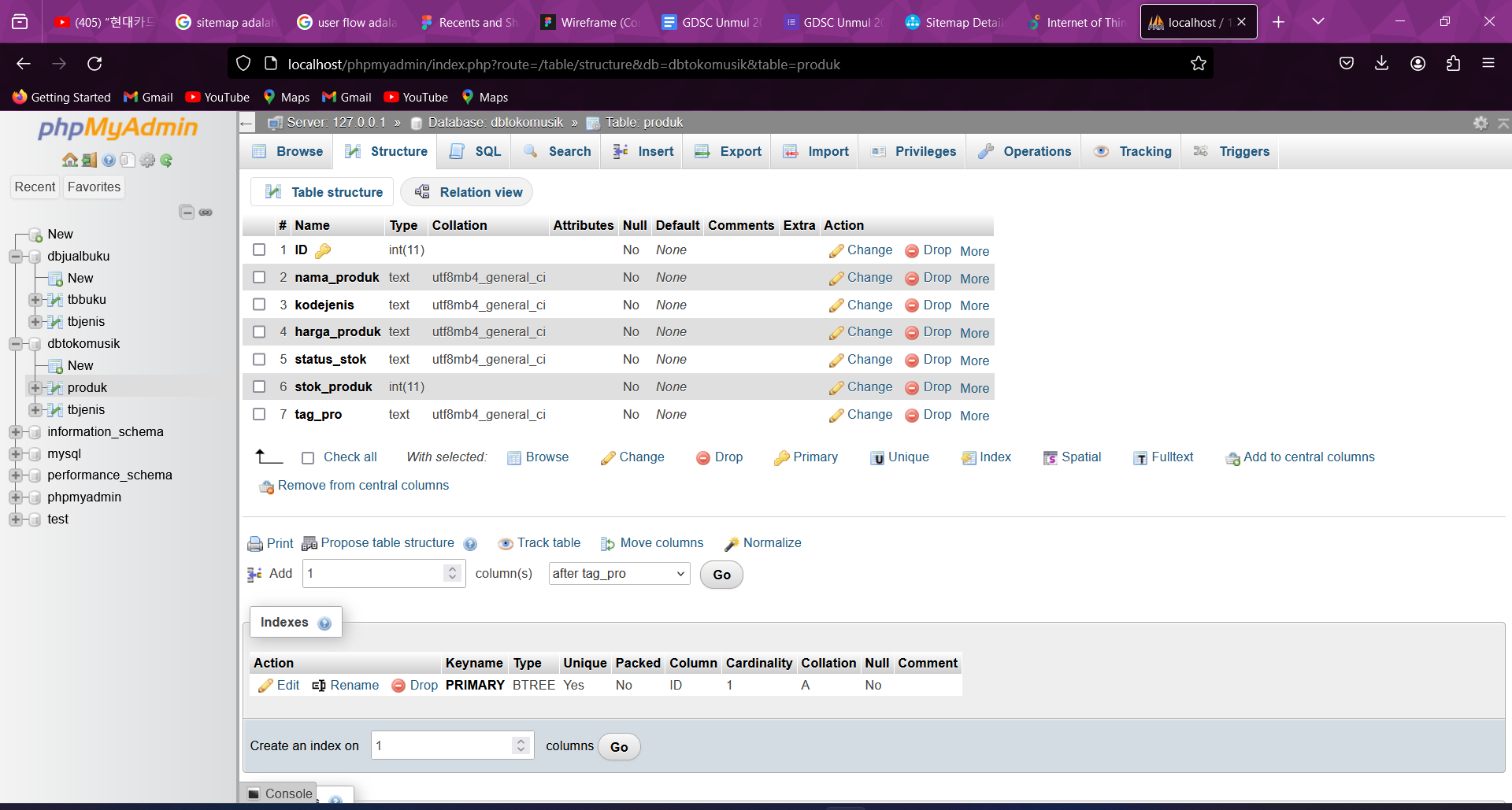
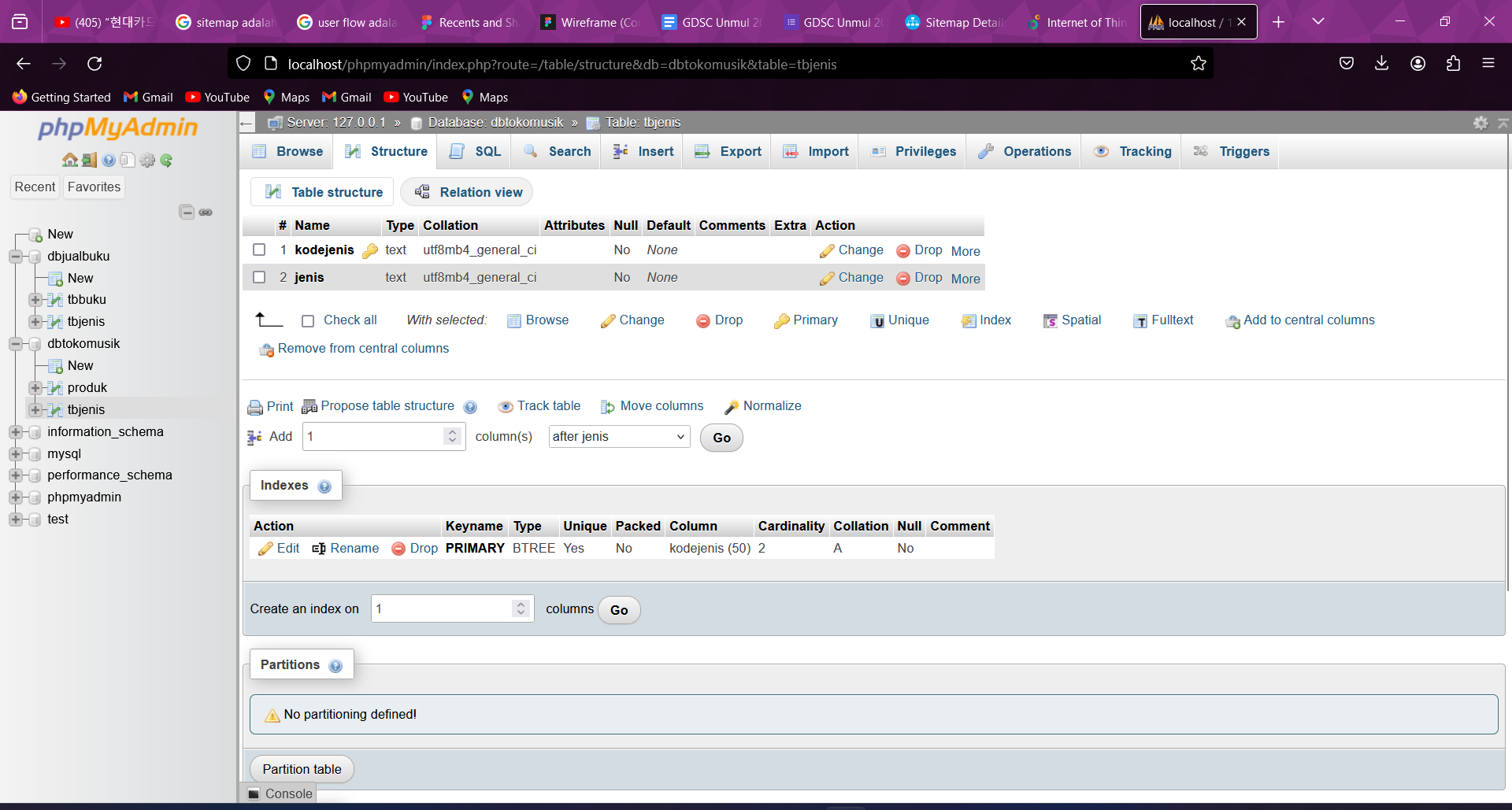
Nama : Renaldi Pratama

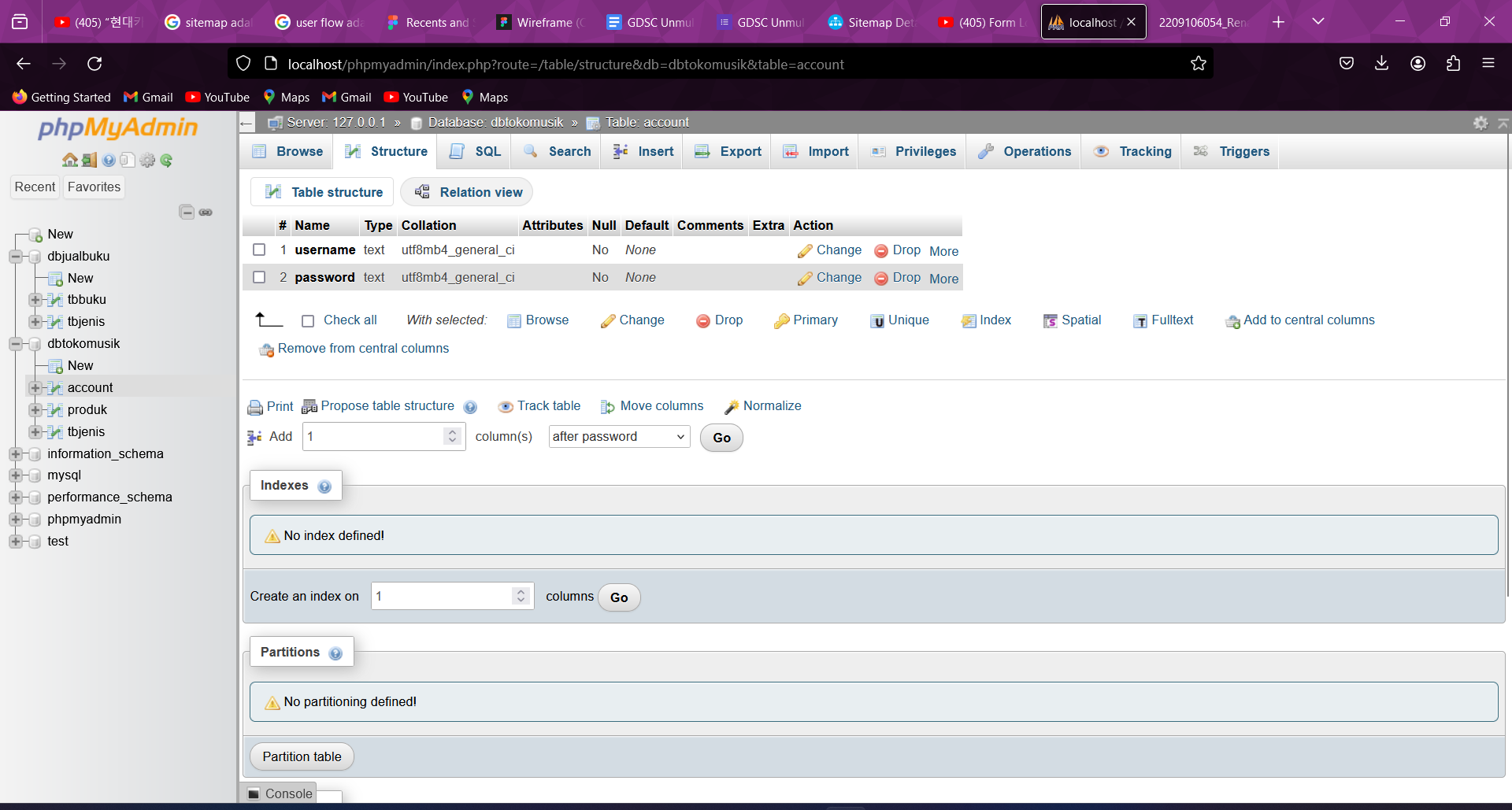
Nim : 2209106054

Posttest 6

ScreenShot Tabel DataBase







Source code

Form1.vb

Imports MySql.Data.MySqlClient

Public Class Form1

Sub kosong()

TextBox1.Clear()

TextBox2.Clear()

TextBox3.Clear()

TextBox4.Clear()

TextBox1.Focus()

End Sub

Sub isi()

TextBox1.Clear()

TextBox1.Focus()

End Sub

Sub TampilData()

DataGridView1.Rows.Clear()

CMD = New MySqlCommand("select \* from produk", CONN)

RD = CMD.ExecuteReader()

While RD.Read()

Dim row As New DataGridViewRow()

row.CreateCells(DataGridView1)

row.Cells(0).Value = RD("ID")

row.Cells(1).Value = RD("nama\_produk")

row.Cells(2).Value = RD("kodejenis")

row.Cells(3).Value = RD("harga\_produk")

row.Cells(4).Value = RD("status\_stok")

row.Cells(5).Value = RD("stok\_produk")

row.Cells(6).Value = RD("tag\_pro")

DataGridView1.Rows.Add(row)

End While

RD.Close()

End Sub

Sub tampilJenis()

CMD = New MySqlCommand("select jenis from tbjenis", CONN)

RD = CMD.ExecuteReader

Do While RD.Read

cbJenis.Items.Add(RD.Item(0))

Loop

RD.Close()

End Sub

Sub aturGrid()

DataGridView1.Columns(0).Width = 60

DataGridView1.Columns(1).Width = 200

DataGridView1.Columns(0).HeaderText = "ID"

DataGridView1.Columns(1).HeaderText = "Nama"

DataGridView1.Columns(2).HeaderText = "Jenis"

DataGridView1.Columns(3).HeaderText = "Harga"

DataGridView1.Columns(4).HeaderText = "Status Stok"

DataGridView1.Columns(5).HeaderText = "Stok"

DataGridView1.Columns(6).HeaderText = "Tag"

End Sub

Private Sub Form3\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

koneksi()

TampilData()

kosong()

'aturGrid()

End Sub

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

If TextBox1.Text = Nothing And TextBox4.Text = Nothing Then

MsgBox("Data belum lengkap")

TextBox1.Focus()

Else

Dim ID As Integer = Integer.Parse(TextBox1.Text)

Dim Stok As Integer = Integer.Parse(TextBox4.Text)

Dim StatusStok As String = ""

For Each control As Control In GroupBox2.Controls

If TypeOf control Is RadioButton AndAlso DirectCast(control,

RadioButton).Checked Then

StatusStok &= control.Text & vbCrLf

End If

Next

Dim tag As String = ""

For Each control As Control In GroupBox1.Controls

If TypeOf control Is CheckBox AndAlso DirectCast(control,

CheckBox).Checked Then

tag &= control.Text & vbCrLf

End If

Next

CMD = New MySqlCommand("Select \* from produk where ID = '" & ID & "'", CONN)

RD = CMD.ExecuteReader

RD.Read()

If Not RD.HasRows Then

RD.Close()

CMD = New MySqlCommand("insert into produk values ('" & ID & "','" & TextBox2.Text & "','" & cbJenis.Text & "','" & TextBox3.Text & "','" & StatusStok & "','" & Stok & "','" & tag & "')", CONN)

CMD.ExecuteNonQuery()

TampilData()

kosong()

MsgBox("Simpan Sukses")

TextBox1.Focus()

Else

RD.Close()

MsgBox("Data Tersebut sudah ada")

End If

End If

End Sub

Private Sub txtJenis\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextBox2.KeyPress

TextBox2.MaxLength = 50

If e.KeyChar = Chr(13) Then

TextBox2.Text = UCase(TextBox2.Text)

End If

End Sub

Private Sub DataGridView1\_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick

If DataGridView1.SelectedRows.Count > 0 Then

Dim row As DataGridViewRow = DataGridView1.SelectedRows(0)

If row.Index < DataGridView1.RowCount And row.Index >= 0 Then

TextBox1.Text = row.Cells(0).Value

TextBox2.Text = row.Cells(1).Value

cbJenis.Text = row.Cells(2).Value

TextBox3.Text = row.Cells(3).Value

TextBox4.Text = row.Cells(5).Value

End If

End If

End Sub

Private Sub Button3\_Click(sender As Object, e As EventArgs) Handles Button3.Click

If TextBox2.Text = Nothing Then

MsgBox("data belum diisi")

TextBox1.Focus()

Else

Dim StatusStok As String = ""

For Each control As Control In GroupBox2.Controls

If TypeOf control Is RadioButton AndAlso DirectCast(control,

RadioButton).Checked Then

StatusStok &= control.Text & vbCrLf

End If

Next

Dim tag As String = ""

For Each control As Control In GroupBox1.Controls

If TypeOf control Is CheckBox AndAlso DirectCast(control,

CheckBox).Checked Then

tag &= control.Text & vbCrLf

End If

Next

Dim ubah As String = "UPDATE produk SET nama\_produk = @nama\_produk, kodejenis = @tipe\_produk, harga\_produk = @harga\_produk, status\_stok = @status\_stok, stok\_produk = @stok\_produk, tag\_pro = @tag\_pro WHERE ID = @ID"

Using CMD As New MySqlCommand(ubah, CONN)

CMD.Parameters.AddWithValue("@nama\_produk", TextBox2.Text)

CMD.Parameters.AddWithValue("@tipe\_produk", cbJenis.Text)

CMD.Parameters.AddWithValue("@harga\_produk", TextBox3.Text)

CMD.Parameters.AddWithValue("@status\_stok", StatusStok)

CMD.Parameters.AddWithValue("@stok\_produk", TextBox4.Text)

CMD.Parameters.AddWithValue("@tag\_pro", tag)

CMD.Parameters.AddWithValue("@ID", TextBox1.Text)

CMD.ExecuteNonQuery()

End Using

MsgBox("Data berhasil diubah")

TampilData()

kosong()

End If

End Sub

Private Sub Button2\_Click(sender As Object, e As EventArgs) Handles Button2.Click

If TextBox2.Text = Nothing Then

MsgBox("ID belum diisi")

TextBox1.Focus()

Else

Dim ubah As String = "delete from produk where ID = '" &

TextBox1.Text & "'"

CMD = New MySqlCommand(ubah, CONN)

CMD.ExecuteNonQuery()

MsgBox("Data berhasil dihapus")

TampilData()

kosong()

End If

End Sub

Private Sub TextBox1\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextBox1.KeyPress

If e.KeyChar = Chr(13) Then

CMD = New MySqlCommand("select \* from produk where ID = '" &

TextBox1.Text & "'", CONN)

RD = CMD.ExecuteReader()

RD.Read()

If RD.HasRows Then

TextBox2.Text = RD("produk")

TextBox2.Focus()

Else

isi()

TextBox2.Focus()

End If

RD.Close()

End If

End Sub

Private Sub TextBox5\_TextChanged(sender As Object, e As EventArgs) Handles TextBox5.TextChanged

If Not String.IsNullOrEmpty(TextBox5.Text) Then

Try

Using CMD As New MySqlCommand("SELECT \* FROM produk WHERE nama\_produk LIKE @namapro", CONN)

CMD.Parameters.AddWithValue("@namapro", "%" & TextBox5.Text & "%")

Using RD = CMD.ExecuteReader()

DataGridView1.Rows.Clear()

While RD.Read()

Dim row As New DataGridViewRow()

row.CreateCells(DataGridView1)

row.Cells(0).Value = RD("ID")

row.Cells(1).Value = RD("nama\_produk")

row.Cells(2).Value = RD("kodejenis")

row.Cells(3).Value = RD("harga\_produk")

row.Cells(4).Value = RD("status\_stok")

row.Cells(5).Value = RD("stok\_produk")

row.Cells(6).Value = RD("tag\_pro")

DataGridView1.Rows.Add(row)

End While

End Using

End Using

Catch ex As Exception

MsgBox("Error: " & ex.Message)

End Try

Else

TampilData()

End If

End Sub

End Class

Form2.vb

Imports MySql.Data.MySqlClient

Public Class Form2

Sub Kosong()

TextBox2.Clear()

TextBox1.Clear()

TextBox2.Focus()

End Sub

Sub isi()

TextBox2.Clear()

TextBox2.Focus()

End Sub

Sub tampilJenis()

DataGridView1.Rows.Clear()

If DataGridView1.Columns.Count = 0 Then

DataGridView1.Columns.Add("kodeJenisColumn", "Kode Jenis")

DataGridView1.Columns.Add("jenisColumn", "Jenis")

End If

CMD = New MySqlCommand("select \* from tbjenis", CONN)

RD = CMD.ExecuteReader()

While RD.Read()

Dim row As New DataGridViewRow()

row.CreateCells(DataGridView1)

row.Cells(0).Value = RD("kodeJenis")

row.Cells(1).Value = RD("jenis")

DataGridView1.Rows.Add(row)

End While

RD.Close()

End Sub

Sub aturGrid()

DataGridView1.Columns(0).Width = 60

DataGridView1.Columns(1).Width = 200

DataGridView1.Columns(0).HeaderText = "Kode Jenis"

DataGridView1.Columns(1).HeaderText = "Nama Jenis"

End Sub

Private Sub Form3\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

koneksi()

tampilJenis()

Kosong()

'aturGrid()

End Sub

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

If TextBox2.Text = Nothing And TextBox1.Text = Nothing Then

MsgBox("Data Belum Lengkap")

TextBox1.Focus()

Else

CMD = New MySqlCommand("Select \* from tbjenis where kodeJenis ='" & TextBox1.Text & "'", CONN)

RD = CMD.ExecuteReader

RD.Read()

If Not RD.HasRows Then

RD.Close()

CMD = New MySqlCommand("insert into tbjenis values('" & TextBox1.Text & "', '" & TextBox2.Text & "')", CONN)

CMD.ExecuteNonQuery()

tampilJenis()

Kosong()

MsgBox("Simpan Data Sukses!")

TextBox1.Focus()

Else

RD.Close()

MsgBox("Data Tersebut Sudah Ada")

End If

End If

End Sub

Private Sub TextBox2\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextBox2.KeyPress

TextBox2.MaxLength = 50

If e.KeyChar = Chr(13) Then

TextBox2.Text = UCase(TextBox2.Text)

End If

End Sub

Private Sub DataGridView1\_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles DataGridView1.CellClick

If DataGridView1.SelectedRows.Count > 0 Then

Dim row As DataGridViewRow = DataGridView1.SelectedRows(0)

If row.Index < DataGridView1.RowCount And row.Index >= 0 Then

TextBox1.Text = row.Cells(0).Value

TextBox2.Text = row.Cells(1).Value

End If

End If

End Sub

Private Sub Button2\_Click(sender As Object, e As EventArgs) Handles Button2.Click

If TextBox2.Text = Nothing Then

MsgBox("Kode Jenis belum diisi")

TextBox1.Focus()

Else

Dim ubah As String = "update tbjenis set jenis = '" &

TextBox2.Text & "' where kodeJenis = '" & TextBox1.Text & "'"

CMD = New MySqlCommand(ubah, CONN)

CMD.ExecuteNonQuery()

MsgBox("Data berhasil diubah")

tampilJenis()

Kosong()

End If

End Sub

Private Sub Button3\_Click(sender As Object, e As EventArgs) Handles Button3.Click

If TextBox2.Text = Nothing Then

MsgBox("Kode Jenis belum diisi")

TextBox1.Focus()

Else

Dim ubah As String = "delete from tbjenis where kodeJenis = '" &

TextBox1.Text & "'"

CMD = New MySqlCommand(ubah, CONN)

CMD.ExecuteNonQuery()

MsgBox("Data berhasil dihapus")

tampilJenis()

Kosong()

End If

End Sub

Private Sub Button4\_Click(sender As Object, e As EventArgs) Handles Button4.Click

Kosong()

tampilJenis()

End Sub

Private Sub TextBox1\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles TextBox1.KeyPress

If e.KeyChar = Chr(13) Then

CMD = New MySqlCommand("select \* from tbjenis where kodeJenis = '" &

TextBox1.Text & "'", CONN)

RD = CMD.ExecuteReader()

RD.Read()

If RD.HasRows Then

TextBox2.Text = RD("jenis")

TextBox2.Focus()

Else

isi()

TextBox2.Focus()

End If

RD.Close()

End If

End Sub

Private Sub TextBox3\_TextChanged(sender As Object, e As EventArgs) Handles TextBox3.TextChanged

If TextBox3.Text <> Nothing Then

CMD = New MySqlCommand("select \* from tbjenis where kodeJenis like '%" & TextBox3.Text & "%'", CONN)

RD = CMD.ExecuteReader()

If RD.HasRows Then

DataGridView1.Rows.Clear()

While RD.Read()

Dim row As New DataGridViewRow()

row.CreateCells(DataGridView1)

row.Cells(0).Value = RD("kodeJenis")

row.Cells(1).Value = RD("jenis")

DataGridView1.Rows.Add(row)

End While

Else

MsgBox("Data tidak ditemukan")

End If

RD.Close()

Else

tampilJenis()

End If

End Sub

End Class

Form3.vb

Public Class FMenu

Private Sub KeluarToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles KeluarToolStripMenuItem.Click

End

End Sub

Private Sub DataProdukToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles DataProdukToolStripMenuItem.Click

Form1.Show()

End Sub

Private Sub DataJenisProdukToolStripMenuItem\_Click(sender As Object, e As EventArgs) Handles DataJenisProdukToolStripMenuItem.Click

Form2.Show()

End Sub

End Class

Form4.vb

Imports MySql.Data.MySqlClient

Public Class Form4

Dim connectionString As String = "server=localhost;userid=root;password=;database=dbtokomusik"

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click

Dim username As String = TextBox1.Text

Dim password As String = TextBox2.Text

If ValidateLogin(username, password) Then

MessageBox.Show("Login berhasil!")

Dim Form3 As New FMenu

Form3.Show()

Me.Hide()

Else

MessageBox.Show("Username atau password salah!")

End If

End Sub

Private Function ValidateLogin(username As String, password As String) As Boolean

Using connection As New MySqlConnection(connectionString)

connection.Open()

Dim query As String = "SELECT COUNT(\*) FROM account WHERE username = @username AND password = @password"

Using command As New MySqlCommand(query, connection)

command.Parameters.AddWithValue("@username", username)

command.Parameters.AddWithValue("@password", password)

Dim count As Integer = Convert.ToInt32(command.ExecuteScalar())

Return count > 0

End Using

End Using

End Function

End Class

Module1.vb

Imports MySql.Data.MySqlClient

Module Module1

Public CONN As MySqlConnection

Public CMD As MySqlCommand

Public RD As MySqlDataReader

Public DA As MySqlDataAdapter

Public DS As DataSet

Public STR As String

Sub koneksi()

Try

Dim STR As String =

"server=localhost;userid=root;password=;database=dbtokomusik"

'Ganti nama database sesuaikan dengan nama database kalian

CONN = New MySqlConnection(STR)

If CONN.State = ConnectionState.Closed Then

CONN.Open()

End If

Catch ex As Exception

MessageBox.Show(ex.Message)

End Try

End Sub

End Module

Link Youtube

<https://youtu.be/Jch4ebYOCJE>

FILE SQL DATABASE



https://drive.google.com/drive/folders/1loN9nFh-rocfmBwh-9UfenmEQ9TAjB9s?usp=sharing