



LAMPIRAN A-1

SOURCE CODE MODUL MAINMENU

LAMPIRAN A-1

```
#Region Project Attributes
    #ApplicationLabel: Sipaknabae
    #VersionCode: 1
    #VersionName:
    'SupportedOrientations possible values: unspecified, landscape or portrait.
    #SupportedOrientations: unspecified
    #CanInstallToExternalStorage: False
#End Region
```

```
#Region Activity Attributes
    #FullScreen: False
    #IncludeTitle: True
#End Region
```

Sub **Process_Globals**

```
'These global variables will be declared once when the application starts.
'These variables can be accessed from all modules.
Public DB As SQL
Public rp As RuntimePermissions
Public WorkFolder As String
```

End Sub

Sub **Globals**

```
'These global variables will be redeclared each time the activity is created.
'These variables can only be accessed from this module.
```

```
Private Label1 As Label
Private btnDiagnosa As Button
Private btnTips As Button
Private btnPenyakit As Button
Private btnTentang As Button
```

End Sub

Sub **Activity_Create**(FirstTime As Boolean)

'Do not forget to load the layout file created with the visual designer. For example:

```
Activity.LoadLayout("lymain")
```

End Sub

Sub Activity_Resume

```
    For Each permission As String In
        Array(rp.PERMISSION_READ_EXTERNAL_STORAGE,
        rp.PERMISSION_WRITE_EXTERNAL_STORAGE)
        rp.CheckAndRequest(permission)
        Wait For Activity_PermissionResult (permission As String, Result As
        Boolean)
        If Result = False Then
            MsgBox("Aplikasi membutuhkan akses file","Error")
        Else
            WorkFolder = rp.GetSafeDirDefaultExternal("")
            'If File.Exists(WorkFolder,"app.db")=False Then
            File.Copy(File.DirAssets,"app.db",
            WorkFolder,"app.db")
            'End If
            DB.Initialize(WorkFolder,"app.db",False)
        End If
    Next
```

End Sub

Sub Activity_Pause (UserClosed As Boolean)

End Sub

Sub Activity_PermissionResult (Permission As String, Result As Boolean)

End Sub

Sub btnDiagnosa_Click

```
    StartActivity(Diagnosa)
```

End Sub

Sub btnTips_Click

```
    Detail.namafile="tips.html"
    StartActivity(Detail)
```

End Sub

Sub btnPenyakit_Click

```
    Detail.namafile="penyakit.html"
    StartActivity(Detail)
```

End Sub

Sub btnTentang_Click

```
    Tentang.namafile="tentang.html"
```



StartActivity(Tentang)

End Sub



LAMPIRAN A-2

SOURCE CODE MODUL MENU DETAIL

LAMPIRAN A-2

```
#Region Activity Attributes
    #FullScreen: False
    #IncludeTitle: True
#End Region
```

Sub **Process_Globals**

'These global variables will be declared once when the application starts.
'These variables can be accessed from all modules.

```
Public namafile As String
End Sub
```

Sub **Globals**

'These global variables will be redeclared each time the activity is created.
'These variables can only be accessed from this module.

```
Private btnClose As Button
Private WebView1 As WebView
Private btnPenyakit As Button
End Sub
```

Sub **Activity_Create**(FirstTime As Boolean)

'Do not forget to load the layout file created with the visual designer. For example:

```
    Activity.LoadLayout("lydetail")
WebView1.JavaScriptEnabled= True
WebView1.ZoomEnabled=True
End Sub
```

Sub **Activity_Resume**

```
    'buka html
    WebView1.LoadUrl("file:///android_asset/" & namafile)
End Sub
```

Sub **Activity_Pause** (UserClosed As Boolean)

```
End Sub
```

Sub **btnClose_Click**

```
    Activity.Finish
```

End Sub



SOURCE CODE MODUL DIAGNOSA

LAMPIRAN A-3

```
#Region Activity Attributes
#FullScreen: False
#IncludeTitle: True
#End Region
```

Sub **Process_Globals**

```
Public Jawab(72) As String 'ada 72 gejala
Public JmlJawab As Int
Public JmlGejala As Int
```

End Sub

Sub **Globals**

```
Private btnNext As Button
Private Label1 As Label
Private ScrollView1 As ScrollView
```

```
Dim lstChecks As List
Dim height As Int
height = 50dip
Private myDtGejala As Cursor
```

End Sub

Sub **Activity_Create**(FirstTime As Boolean)

```
Activity.LoadLayout("lydiagnosa")
```

```
Dim myI As Int
Dim pnl As Panel
pnl = ScrollView1.Panel
lstChecks.Initialize
myDtGejala=Main.DB.ExecQuery("SELECT * FROM gejala ORDER BY
kode ASC")
JmlGejala=myDtGejala.RowCount
```

```

For myI = 1 To JmlGejala
    Dim chk As CheckBox
    myDtGejala.Position=myI-1
    chk.Initialize("")
    chk.Text = myI & "-" & myDtGejala.GetString("keterangan")
    lstChecks.Add(chk)

    pnl.AddView(chk, 0, height * (myI - 1), 100%x, height)
Next
pnl.Height = lstChecks.Size * height

```

End Sub

Sub **Activity_Resume**

```

For i = 0 To lstChecks.Size - 1
    Dim chk As CheckBox
    chk = lstChecks.Get(i)
    chk.Checked=False

```

Next

End Sub

Sub **Activity_Pause** (UserClosed As Boolean)

End Sub

Sub **btnNext_Click**

```

'Ambil checklist
JmlJawab=0

```

```

For i = 0 To lstChecks.Size - 1
    Dim chk As CheckBox
    chk = lstChecks.Get(i)
    If chk.Checked Then
        myDtGejala.Position=i
        Jawab(JmlJawab)=myDtGejala.GetString("kode")
        JmlJawab=JmlJawab+1
    End If
Next
If JmlJawab=0 Then
    MsgBox("Anda belum memilih gejala...","Info")
Else
    StartActivity(Hasil)
    MsgBox("jml jwb = " & JmlJawab, "Info")
End If

```

End Sub





LAMPIRAN A-4
SOURCE CODE MODUL HASIL

LAMPIRAN A-4

```
#Region Activity Attributes
    #FullScreen: False
    #IncludeTitle: True
#End Region
```

Sub **Process_Globals**

'These global variables will be declared once when the application starts.
'These variables can be accessed from all modules.

End Sub

Sub **Globals**

'These global variables will be redeclared each time the activity is created.
'These variables can only be accessed from this module.

```
Private btnInfo As Button
Private btnSelesai As Button
Private btUlang As Button
Private lbPenyakit As Label
Private idpenyakit As Int
```

End Sub

Sub **Activity_Create**(FirstTime As Boolean)

'Do not forget to load the layout file created with the visual designer. For example:

```
Activity.LoadLayout("lyhasil")
```

End Sub

Sub **Activity_Resume**

```
idpenyakit = 0
```

HitungNaive

End Sub

Sub **Activity_Pause** (UserClosed As Boolean)

End Sub

Sub **btUlang_Click**

```
Activity.Finish
```

```
StartActivity(Diagnosa)
```

End Sub

Sub **btnSelesai_Click**

Activity.Finish

StartActivity(Main)

End Sub

Sub **btnInfo_Click**

'memanggil detail

If idpenyakit>0 Then

Detail.namafile="p_" & idpenyakit & ".html"

StartActivity(Detail)

End If

End Sub

Sub **HitungNaive**

Private myJmlPyk, myJmlGjl, myA, myB As Int

Private myDtPyk, myDtGjl As Cursor

Private myProbPyk, myPersen, myNC, myPV As Float

Private myGjlPyk As String

Private myTotal As Double

myDtGjl=Main.DB.ExecQuery("SELECT COUNT(kode) AS jmlgjl FROM gejala")

myDtGjl.Position=0

myJmlGjl=myDtGjl.GetInt("jmlgjl")

myDtPyk=Main.DB.ExecQuery("SELECT idpyk, gejala FROM penyakit ORDER BY idpyk ASC")

myJmlPyk=myDtPyk.RowCount

myProbPyk=1/myJmlPyk

For myA=0 To myJmlPyk-1

myDtPyk.Position=myA

myGjlPyk=myDtPyk.GetString("gejala")

myPV=myProbPyk

For myB=0 To Diagnosa.JmlJawab - 1

'hitung probabilitas gejala pada penyakit (NC)

If myGjlPyk.IndexOf(Diagnosa.Jawab(myB))=-1 Then

myNC=0

Else

myNC=1

End If

'hitung probabilitas penyakit (PV)

myPV=myPV*((myNC+myJmlGjl*myProbPyk)/(1+myJmlGjl))

Main.DB.ExecNonQuery("UPDATE penyakit SET score=""
& myPV & "" WHERE idpyk=" & myDtPyk.GetString("idpyk") & """)

Next

Next

'hitung total score

myDtPyk=Main.DB.ExecQuery("SELECT SUM(score) AS jmlscore FROM penyakit")

myDtPyk.Position=0

myTotal=myDtPyk.GetDouble("jmlscore")

'hitung persen

myDtPyk=Main.DB.ExecQuery("SELECT idpyk, score FROM penyakit ORDER BY idpyk ASC")

For myA=0 To myJmlPyk-1

myDtPyk.Position=myA

myPersen=myDtPyk.GetDouble("score")/myTotal*100

myPersen=Round2(myPersen,2)

Main.DB.ExecNonQuery("UPDATE penyakit SET persen=" & myPersen & " WHERE idpyk=" & myDtPyk.GetString("idpyk") & "")

Next

'baca data hasil dan tampilkan

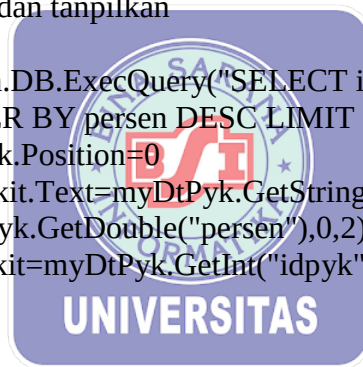
myDtPyk=Main.DB.ExecQuery("SELECT idpyk,namapyk, score, persen FROM penyakit ORDER BY persen DESC LIMIT 0,1")

myDtPyk.Position=0

lbPenyakit.Text=myDtPyk.GetString("namapyk") & " (" & NumberFormat(myDtPyk.GetDouble("persen"),0,2) & " %)"

idpenyakit=myDtPyk.GetInt("idpyk")

End Sub



LAMPIRAN A-5

SOURCE CODE MODUL TENTANG



LAMPIRAN A-5

```
#Region Activity Attributes
```

```
    #FullScreen: False
```

```
    #IncludeTitle: True
```

```
#End Region
```

```
Sub Process_Globals
```

```
    'These global variables will be declared once when the application starts.
```

```
    'These variables can be accessed from all modules.
```

```
    Public namafile As String
```

```
End Sub
```

```
Sub Globals
```

```
    'These global variables will be redeclared each time the activity is created.
```

```
    'These variables can only be accessed from this module.
```

```
    Private btnClose As Button
```

```
    Private WebView1 As WebView
```

```
    Private btnClose As Button
```

```
    Private btnTentang As Button
```

```
End Sub
```

```
Sub Activity_Create(FirstTime As Boolean)
```

```
    'Do not forget to load the layout file created with the visual designer. For  
    example:
```

```
    Activity.LoadLayout("lytentang")
```

```
End Sub
```

```
Sub Activity_Resume
```

```
    'buka html
```

```
    WebView1.LoadUrl("file:///android_asset/"& namafile)
```

```
End Sub
```

```
Sub Activity_Pause (UserClosed As Boolean)
```

```
End Sub
```

```
Sub btnClose_Click
```

```
    Activity.Finish
```

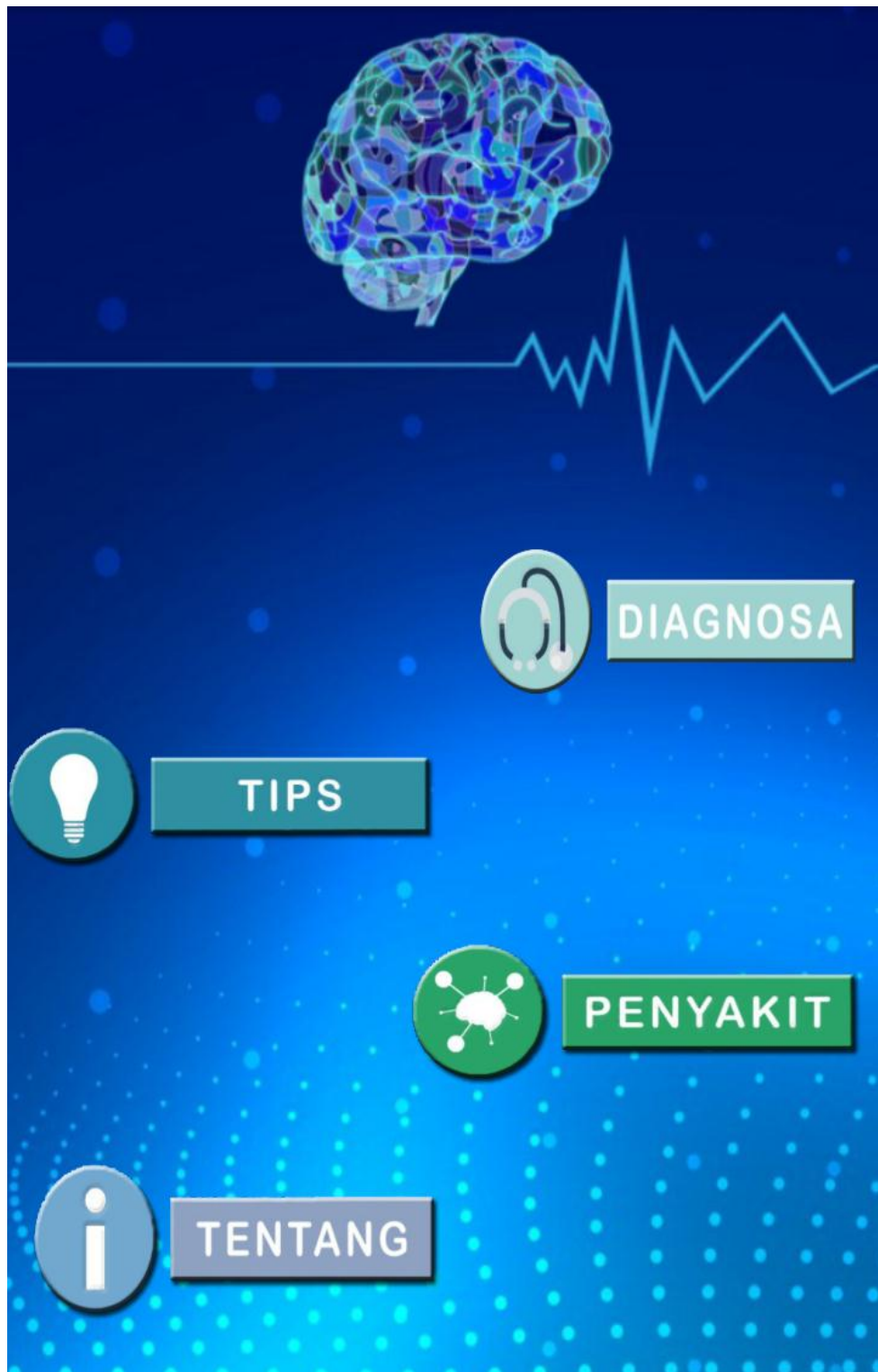
```
End Sub
```





LAMPIRAN B-1

MENU UTAMA





LAMPIRAN B-2

MENU INFO PENYAKIT

Activity
Jenis Penyakit Epilepsi
Parsial Sederhana
Parsial Kompleks
Petit Mal
Grand Mal
Atonik
Tonik
Klonik
Myoklonik
Tonik Klonik
Spasme Infantile
Sindrom Lennox Gastaut

LAMPIRAN B-3
MENU DIAGNOSA



Activity

Silahkan pilih gejala

- ☐ 1-Hilangnya kesadaran
- ☐ 2-Hilangnya keingatan
- ☐ 3-Melakukan Gerakan ritmis halus
- ☐ 4-Rasa tegang pada lengan dan kaki
- ☐ 5-Merasa Pusing
- ☐ 6-Pandangan Kosong
- ☐ 7-Mengalami sensasi aura
- ☐ 8-Gerakan menyentak pada lengan dan kaki
- ☐ 9-Tidak merespon sesuatu

LAMPIRAN B-4

MENU TIPS



Activity

Tips Mencegah Penyakit epilepsi

1. makanan kaya magnesium
2. hindari minuman yang mengandung kafein dan alkohol
3. jaga stamina tubuh



LAMPIRAN B-5
MENU TENTANG

Activity

Tentang aplikasi

Sistem pakar Diagnosa Penyakit Epilepsi berbasis android adalah Gangguan ketika aktivitas sel saraf diotak terganggu, yang menyebabkan kejang, epilepsi dapat terjadi sebagai akibat dari kelainan genetik atau cedera otak yang dialami, seperti trauma atau stroke

Tentang Penulis



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