

# LAPORAN PRAKTIKUM

PEMROGRAMAN VISUAL

2023



Prepared By:

Sahdania Fitri | 200511021 | TI20D

# APLIKASI PENENTUAN NILAI MUTU MENGGUNAKAN VB NET 2015

## a. Source Code

```
Public Class Form1
    Private Function HitungNilaiAkhir(khd As Integer, tgs As Integer, uts As Integer, uas As Integer) As Integer
        Dim nilaiAkhir As Integer
        nilaiAkhir = (25 / 100 * khd) + (35 / 100 * tgs) + (20 / 100 * uts) + (20 / 100 * uas)
        Return nilaiAkhir
    End Function
    Private Sub Label3_Click(sender As Object, e As EventArgs) Handles Label3.Click

    End Sub
    Private Sub btnSubmit_Click(sender As Object, e As EventArgs) Handles btnSubmit.Click
        Dim nim, khd, tgs, uts, uas, nilaiAkhir As Integer
        Dim nama, prodi As String

        nim = Val(txtNIM.Text)
        nama = Val(txtNama.Text)
        prodi = Val(txtProdi.Text)
        khd = Val(txtNilaiKehadiran.Text)
        tgs = Val(txtTugas.Text)
        uts = Val(txtUTS.Text)
        uas = Val(txtUAS.Text)

        nilaiAkhir = HitungNilaiAkhir(khd, tgs, uts, uas)

        txtNIMOutput.Text = Str(nim)
        txtNamaOutput.Text = txtNama.Text
        txtProdiOutput.Text = txtProdi.Text

        txtNilaiAkhir.Text = Str(nilaiAkhir)
        If (nilaiAkhir >= 85) Then
            txtNilaiMutu.Text = "A"

        ElseIf (nilaiAkhir >= 75) Then
            txtNilaiMutu.Text = "B"

        ElseIf (nilaiAkhir >= 55) Then
            txtNilaiMutu.Text = "C"

        ElseIf (nilaiAkhir >= 30) Then
            txtNilaiMutu.Text = "D"

        Else
            txtNilaiMutu.Text = "E"
        End If
    End Sub
End Class
```

## b. Screenshot Hasil Run Program

The screenshot shows a Windows application window titled 'Form1' with a red background. The title 'Aplikasi Penentuan Nilai Mutu' is centered at the top. Below the title, there are input fields for NIM (200511021), Nama (Sahdania Fitri), Prodi (Informatika), Nilai Kehadiran (90), Nilai Tugas (90), Nilai UTS (95), and Nilai UAS (85). A 'Submit' button is located below these fields. Under the 'Hasil Penentuan Nilai' section, the output fields show Nilai Akhir (90) and Nilai Mutu (A). The footer text is 'Sahdania Fitri\_200511021\_TI20D'.

Input	Value
NIM	200511021
Nama	Sahdania Fitri
Prodi	Informatika
Nilai Kehadiran	90
Nilai Tugas	90
Nilai UTS	95
Nilai UAS	85

  

Output	Value
Nilai Akhir	90
Nilai Mutu	A

Sahdania Fitri\_200511021\_TI20D

The screenshot shows the same application window with different input data. The Prodi is now 'Industri'. The input values are: NIM (200511021), Nama (Sahdania Fitri), Prodi (Industri), Nilai Kehadiran (70), Nilai Tugas (80), Nilai UTS (75), and Nilai UAS (75). The output fields show Nilai Akhir (76) and Nilai Mutu (B). The footer text is 'Sahdania Fitri\_200511021\_TI20D'.

Input	Value
NIM	200511021
Nama	Sahdania Fitri
Prodi	Industri
Nilai Kehadiran	70
Nilai Tugas	80
Nilai UTS	75
Nilai UAS	75

  

Output	Value
Nilai Akhir	76
Nilai Mutu	B

Sahdania Fitri\_200511021\_TI20D