

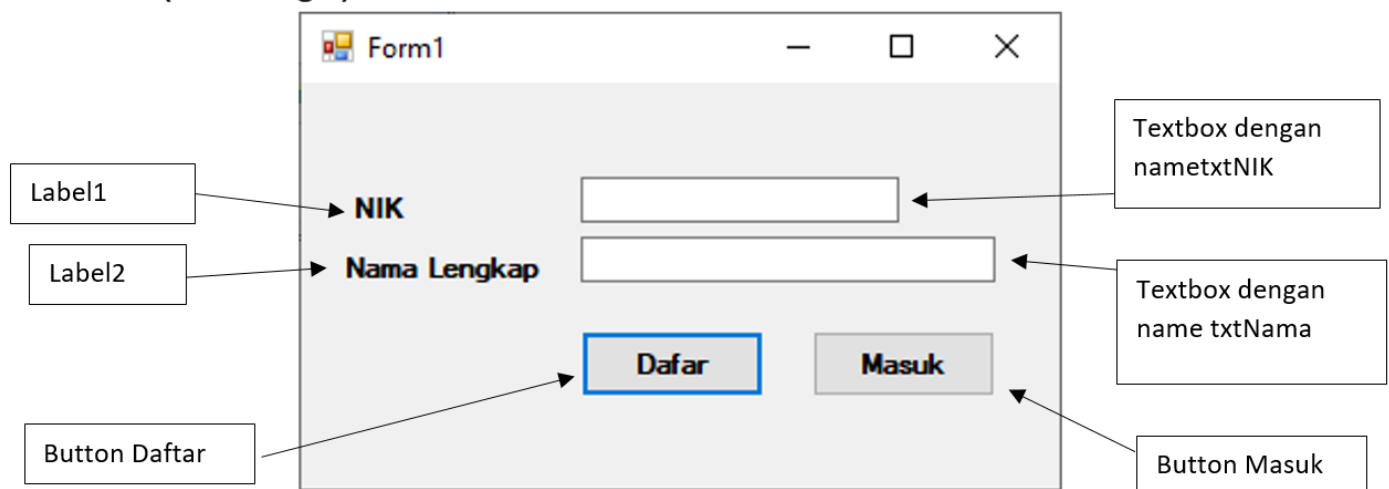
Judul Tugas : Membuat Aplikasi Catatan Perjalanan

Gambaran Aplikasi Catatan Perjalanan :

Aplikasi ini digunakan sebagai diri perjalanan di masa pandemi. Catatan perjalanan yang diisikan sekurangnya meliputi tanggal perjalanan, waktu, lokasi yang dikunjungi dan suhu tubuh saat memasuki lokasi.

Saat pertama kali digunakan, pengguna harus mengisi NIK dan nama yang akan disimpan dalam file config.txt. Selanjutnya pengguna bisa masuk untuk mengisi catatan perjalanan. Selain mengisi, pengguna juga dapat melakukan pencarian berdasarkan tanggal, waktu maupun lokasi. Selain itu pengguna juga dapat mengurutkan data berdasarkan tanggal perjalanan dan suhu tubuh baik secara ascending maupun descending.

1. Form 1 (Form Login)



Form1_Load

```
Private Sub Form1_Load()
Dim AlamatFile As String = "config.txt"
    If Not System.IO.File.Exists(AlamatFile) Then
        System.IO.File.Create(AlamatFile).Dispose()
    End If
End Sub
```

Tombol Daftar

```
Private Sub btnDaftar_Click()
Dim NIK As String = txtNIK.Text           'masukkan textbox nik kedalam variabel nik
Dim NAMA As String = txtNama.Text       'masukkan textbox nama kedalam variabel nama

    If NIK = "" Then                       'Check textbox nik terisi
        MessageBox.Show("Isi NIK terlebih dahulu!")
    ElseIf NAMA = "" Then                 'Check textbox nama terisi
        MessageBox.Show("Isi Nama Lengkap terlebih dahulu!")
    Else                                  'Jika semua textbox terisi
        Dim lines() As String
        Dim terdaftar As Boolean
        Dim i As Integer = 0
```



```

        berhasil = False
        i = i + 1
    End If
End While
If berhasil = True Then
    MessageBox.Show("Anda berhasil Masuk")
    Form2.Show()
    Me.Hide()
Else
    MessageBox.Show("NIK atau Nama Lengkap salah!")
End If
End Sub

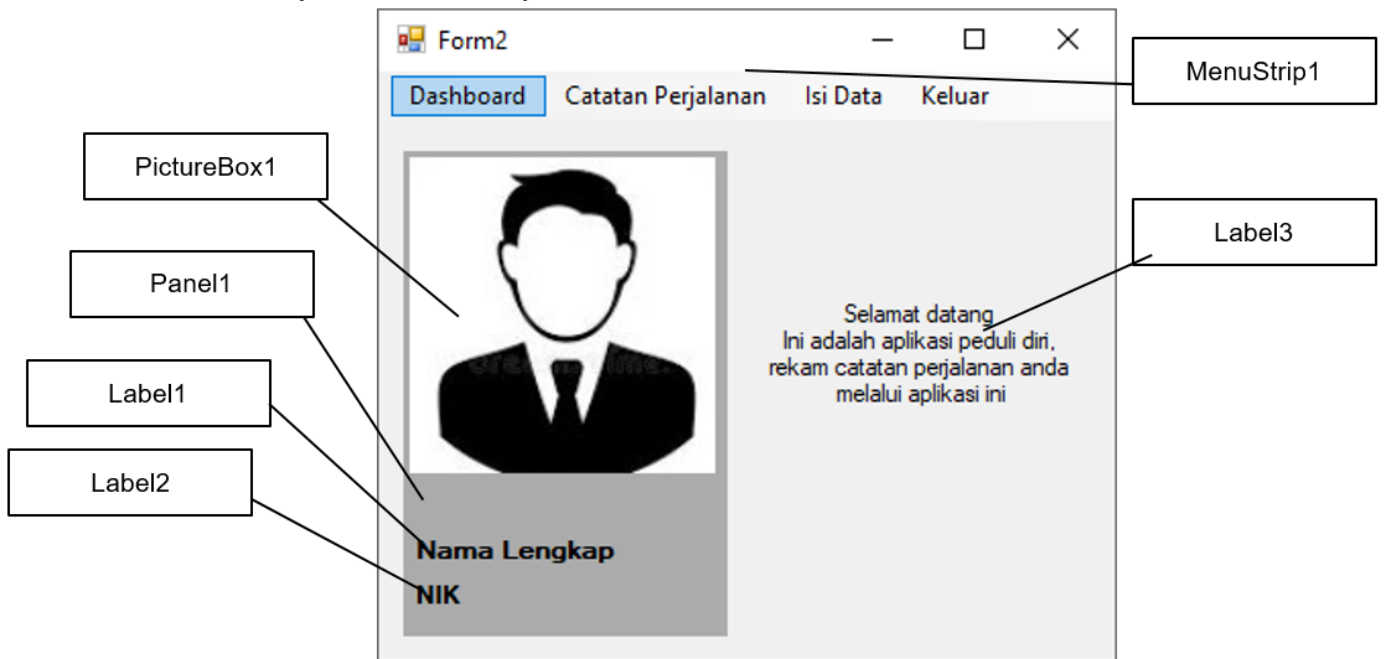
```

'berhasil = false
'variabel i kita tambah 1 agar bergerak

'jika berhasil = true maka lakukan perintah

'jika berhasil = false maka lakukan perintah

2. Form 2 (Form Dashboard)



Form 2 Load

```

Private Sub Form2_Load()
    Label1.Text = Form1.txtNIK.Text
    Label2.Text = Form1.txtNama.Text
    Dim filepath As String = "" & Label2.Text & ".txt"
    If Not System.IO.File.Exists(filepath) Then
        System.IO.File.Create(filepath).Dispose()
    End If
End Sub

```

Menu CatatanPerjalananToolStripMenuItem

```

Private Sub CatatanPerjalananToolStripMenuItem_Click()
    Form3.Visible = True
End Sub

```

Menu IsiDataToolStripMenuItem

```

Private Sub IsiDataToolStripMenuItem_Click()
    Form4.Visible = True
End Sub

```

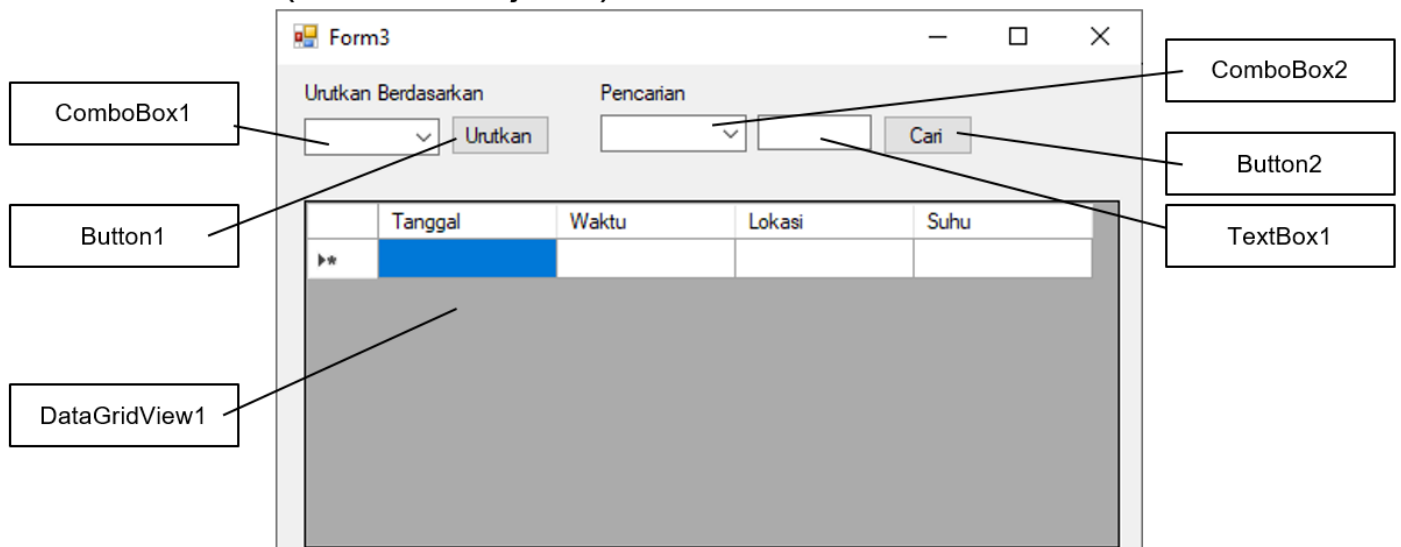
Menu DashbordToolStripMenuItem

```
Private Sub DashbordToolStripMenuItem_Click()  
    Me.Visible = True  
End Sub
```

Menu KeluarToolStripMenuItem

```
Private Sub KeluarToolStripMenuItem_Click()  
    Form1.Visible = True  
    Me.Visible = False  
    Form3.Visible = False  
    Form4.Visible = False  
    Form1.txtNIK.Text = ""  
    Form1.txtNama.Text = ""  
End Sub
```

3. Form 3 (Form Catatan Perjalanan)



Form 3 Load

```
Dim tabel As New DataTable  
Private Sub Form3_Load()  
    tabel.Columns.Add("Tanggal")  
    tabel.Columns.Add("Waktu")  
    tabel.Columns.Add("Lokasi")  
    tabel.Columns.Add("Suhu")  
    DataGridView1.DataSource = tabel  
    Dim lines() As String  
    Dim vals() As String  
    lines = System.IO.File.ReadAllLines("" & Form2.Label2.Text & ".txt")  
    For i As Integer = 0 To lines.Length - 1 Step +1  
  
        vals = lines(i).ToString().Split("+")  
        Dim row(vals.Length - 1) As String  
        For j As Integer = 0 To vals.Length - 1 Step +1  
            row(j) = vals(j).Trim()  
  
        Next j  
        tabel.Rows.Add(row)  
    Next i  
End Sub
```

Tombol Urutkan

```
Private Sub Button1_Click()  
    If ComboBox1.SelectedItem = "Tanggal" Then  
        DataGridView1.Sort(DataGridView1.Columns(0),  
System.ComponentModel.ListSortDirection.Ascending)  
    ElseIf ComboBox1.SelectedItem = "Waktu" Then  
        DataGridView1.Sort(DataGridView1.Columns(1),  
System.ComponentModel.ListSortDirection.Ascending)  
    ElseIf ComboBox1.SelectedItem = "Lokasi" Then  
        DataGridView1.Sort(DataGridView1.Columns(2),  
System.ComponentModel.ListSortDirection.Ascending)  
    ElseIf ComboBox1.SelectedItem = "Suhu" Then  
        DataGridView1.Sort(DataGridView1.Columns(3),  
System.ComponentModel.ListSortDirection.Ascending)  
    Else  
        End If  
End Sub
```

Tombol Cari

```
Private Sub Button2_Click()  
    If ComboBox2.SelectedItem = "Tanggal" Then  
tabel.DefaultView.RowFilter = "Tanggal Like '%" & TextBox1.Text & "%'"  
    ElseIf ComboBox2.SelectedItem = "Waktu" Then  
tabel.DefaultView.RowFilter = "Waktu Like '%" & TextBox1.Text & "%'"  
    ElseIf ComboBox2.SelectedItem = "Lokasi" Then  
tabel.DefaultView.RowFilter = "Lokasi Like '%" & TextBox1.Text & "%'"  
    ElseIf ComboBox2.SelectedItem = "Suhu" Then  
tabel.DefaultView.RowFilter = "Suhu Like '%" & TextBox1.Text & "%'"  
    Else  
        End If  
End Sub
```

4. Form 4 (Form Isi Data)

The screenshot shows a Windows form titled "Form4" with the following components:

- DateTimePicker1**: A date picker control showing "17 February 2022".
- TextBox1**: A text input field for "Waktu (hh:mm)".
- TextBox2**: A text input field for "Lokasi Yang Dikunjungi".
- TextBox3**: A text input field for "Suhu Tubuh".
- Button1**: A button labeled "Simpan" (Save).

Lines connect the labels on the left to the corresponding controls in the form.

Tombol Simpan

```
Private Sub Button1_Click()  
    If DateTimePicker1.Text = "" Then  
        MessageBox.Show("Tolong Isi Tanggal")  
    ElseIf TextBox1.Text = "" Then  
        MessageBox.Show("Tolong Isi Waktu")  
    ElseIf TextBox2.Text = "" Then  
        MessageBox.Show("Tolong Isi Lokasi")  
    ElseIf TextBox3.Text = "" Then  
        MessageBox.Show("Tolong Isi Suhu")  
    Else  
        Dim i As Integer = FreeFile()  
        FileOpen(i, "" & Form2.Label2.Text & ".txt", OpenMode.Append)  
        PrintLine(i, DateTimePicker1.Text & "+" & TextBox1.Text & "+" &  
        TextBox2.Text & "+" & TextBox3.Text)  
        FileClose(i)  
        MessageBox.Show("Data Perjalanan Disimpan")  
  
        DateTimePicker1.Text = ""  
        TextBox1.Text = ""  
        TextBox2.Text = ""  
        TextBox3.Text = ""  
    End If  
End Sub
```