

## Tugas Pengamatan 11

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```
1. Private Sub FlipHorizontalManualToolStripMenuItem_Click(sender As Object, e
    As EventArgs) Handles FlipHorizontalManualToolStripMenuItem.Click
    If namafile.Equals("") Then
        MessageBox.Show("Pilih Gambar terlebih dahulu", "Informasi",
        MessageBoxButtons.OK, MessageBoxIcon.Warning)
        Return
    End If
```

```
' 1. Ambil gambar dari PictureBox
Dim original As Bitmap = CType(PictureBox1.Image, Bitmap)
Dim lebar As Integer = original.Width
Dim tinggi As Integer = original.Height
```

```
' 2. Buat bitmap baru untuk hasil flip
Dim flipped As New Bitmap(lebar, tinggi)
```

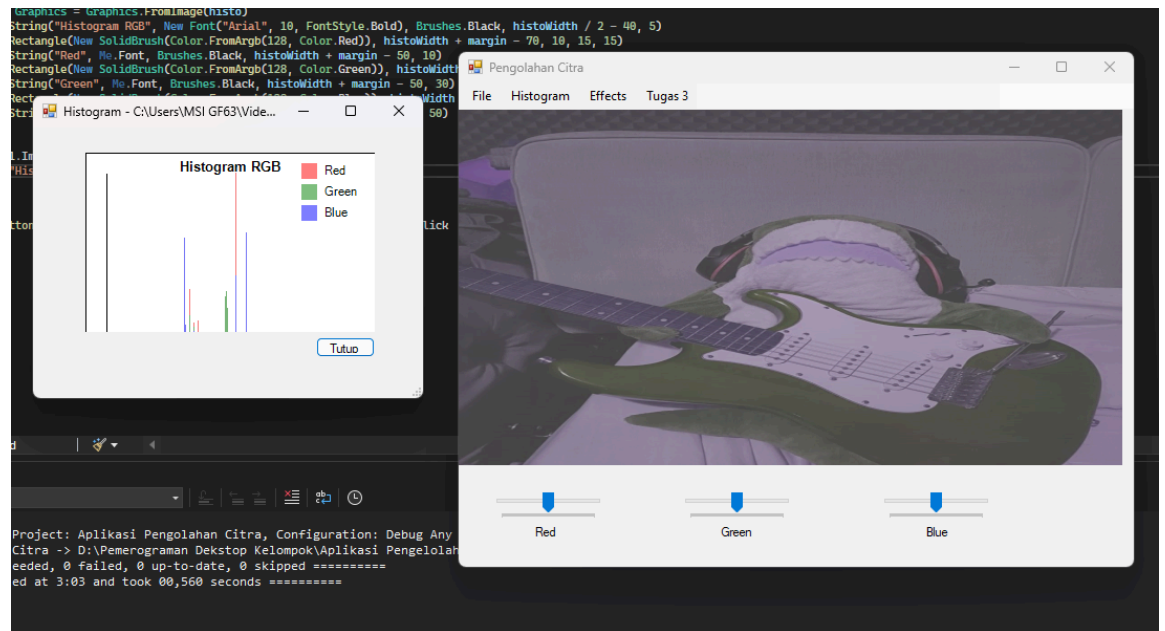
```
' 3. Proses flip horizontal manual
For y As Integer = 0 To tinggi - 1
    For x As Integer = 0 To lebar - 1
        ' Ambil piksel dari posisi (x, y) di gambar asli
        Dim pixel As Color = original.GetPixel(x, y)
        ' Simpan ke posisi (lebar - 1 - x, y) di gambar hasil
        flipped.SetPixel(lebar - 1 - x, y, pixel)
    Next
Next
```

```
' 4. Tampilkan hasil di PictureBox
PictureBox1.Image = flipped
End Sub
```

```
2. If namafile.Equals("") Then
    MessageBox.Show("Pilih Gambar terlebih dahulu", "Informasi",
    MessageBoxButtons.OK, MessageBoxIcon.Warning)
    Return
End If
```



3.



4.