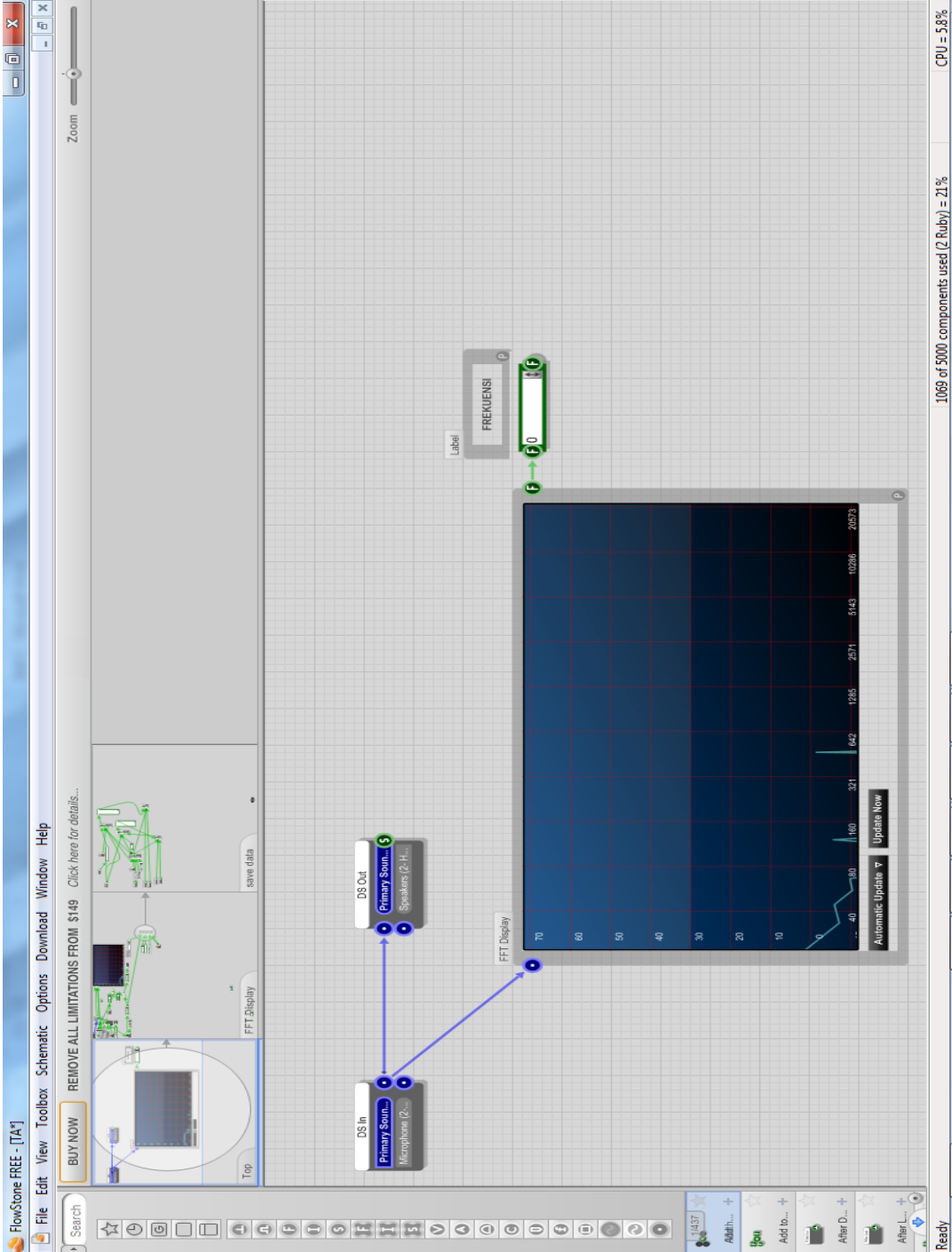
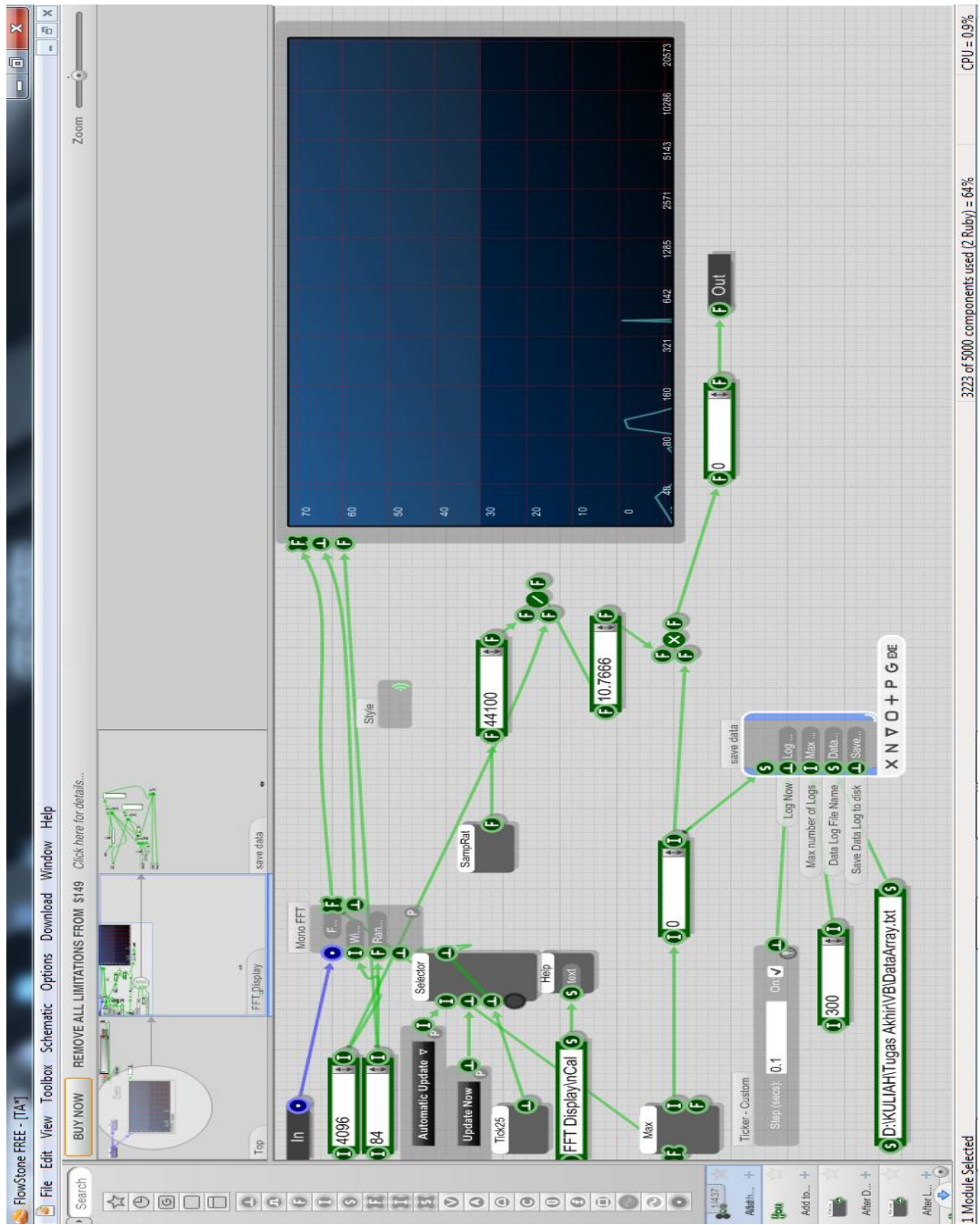


LAMPIRAN A
PROGRAM FLOWSTONE

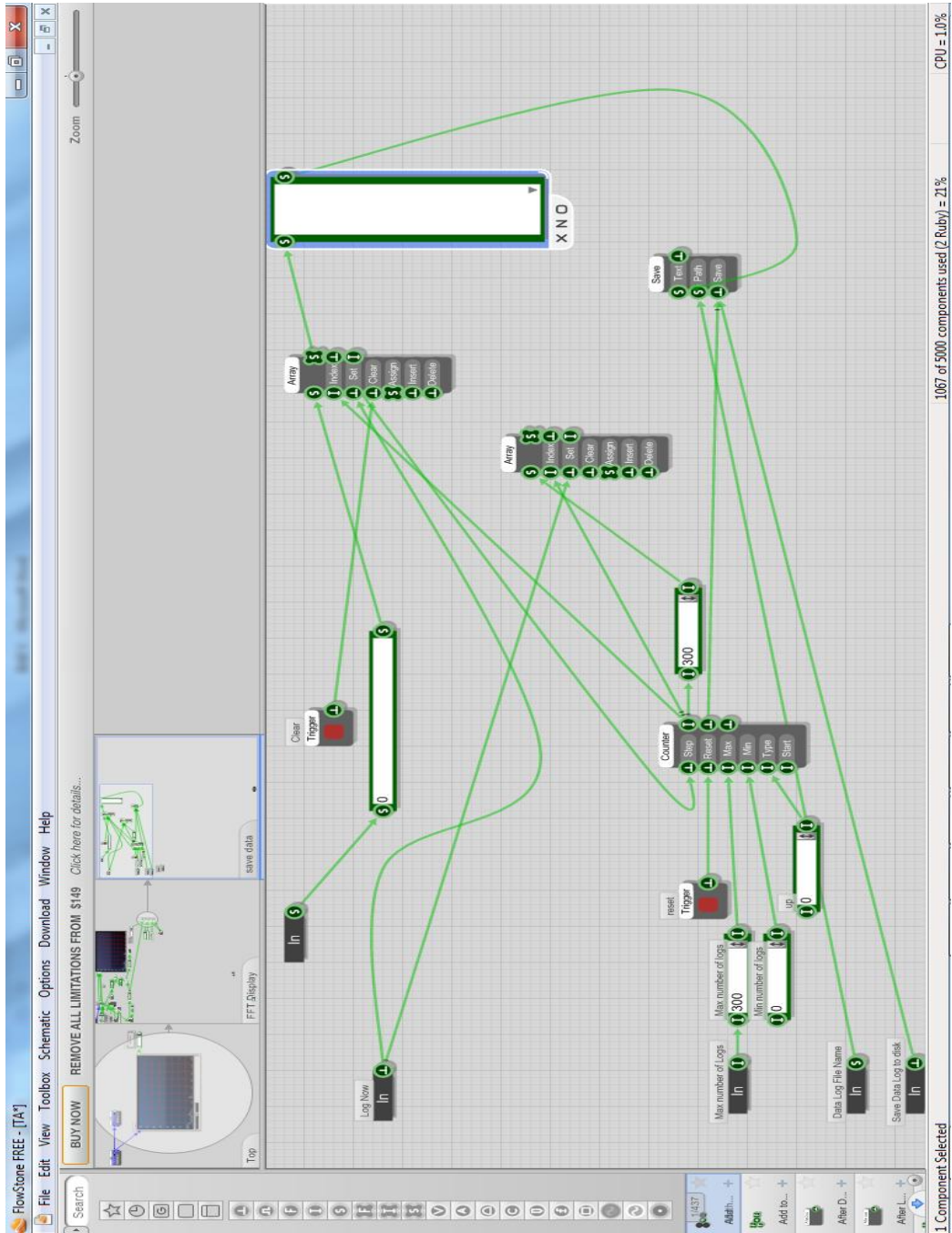
Tampilan GUI pada FlowStone



Program Tambahan yang Dibuat Untuk Membaca Frekuensi



Program Tambahan yang Dibuat Untuk Menyimpan Data



LAMPIRAN B
PROGRAM VISUAL BASIC

```

Private Sub btn_proses_Click()
    'Pembacaan
    proses1

    'Klasifikasi
    proses2

    'Gambar
    proses3
End Sub

```

Proses Pembacaan File Data Input

```

Sub proses1()
    Dim hasil As String
    'Dim bilangan_integer As Integer
    Dim x As String

    'Baca file input
    Open "D:\KULIAH\TA\VB\DataArray.txt" For Input As #1
    Do Until EOF(1)
        Line Input #1, linein
        x = ""
        If ((linein >= 48) And (linein <= 50)) Then
            x = "49"
        ElseIf ((linein >= 53) And (linein <= 55)) Then
            x = "55"
        ElseIf ((linein >= 61) And (linein <= 63)) Then
            x = "61"
        ElseIf ((linein >= 64) And (linein <= 66)) Then
            x = "65"
        ElseIf ((linein >= 72) And (linein <= 74)) Then
            x = "73"
        ElseIf ((linein >= 81) And (linein <= 82)) Then
            x = "82"
        ElseIf ((linein >= 91) And (linein <= 93)) Then
            x = "92"
        ElseIf ((linein >= 97) And (linein <= 98)) Then
            x = "98"
        ElseIf ((linein >= 108) And (linein <= 110)) Then
            x = "110"
        ElseIf ((linein >= 123) And (linein <= 124)) Then
            x = "123"
        ElseIf ((linein >= 129) And (linein <= 130)) Then
            x = "129"
        ElseIf ((linein >= 146) And (linein <= 147)) Then
            x = "146"
        ElseIf ((linein >= 164) And (linein <= 163)) Then
            x = "164"
        ElseIf ((linein >= 183) And (linein <= 181)) Then
            x = "183"
        End If
    Loop

```

```

        If (x <> "") Then
            hasil = hasil + x & vbCrLf
        End If
    Loop
    Close #1

    Open "D:\KULIAH\TA\VB\gundul_output.txt" For Output As #1
    Print #1, hasil

    Close #1

End Sub

```

Proses Pembacaan File Data Input

```

Sub proses2()

    Dim hasil As String
    Dim bilangan_integer As Integer
    Dim bilangan_string As String
    Dim terakhir As String
    Dim counter As Integer
    Dim kelompok As Integer

    terakhir = "0"
    kelompok = 1

    'Baca file input
    Open "D:\KULIAH\TA\VB\gundul_output.txt" For Input As #1
    Do Until EOF(1)

        Line Input #1, linein

        If (kelompok = 1) Then
            If (linein = terakhir) Then
                counter = counter + 1
            Else
                counter = 1
                terakhir = linein
            End If
            kelompok = kelompok + 1
        Else
            If (linein = terakhir) Then
                counter = counter + 1
            Else
                If (counter <= 2) Then
                    hasil = hasil + terakhir + "#setengah" & vbCrLf
                ElseIf ((counter >= 3) And (counter <= 5)) Then
                    hasil = hasil + terakhir + "#penuh" & vbCrLf
                Else
                    hasil = hasil + terakhir + "#setengah" & vbCrLf
                    hasil = hasil + terakhir + "#penuh" & vbCrLf
                End If
            End If
        End If
    Loop
End Sub

```

```

        counter = 1
        terakhir = linein
    End If
End If

Loop
Close #1

Open "D:\KULIAH\TA\VB\DataOut.txt" For Output As #1
Print #1, hasil

Close #1
End Sub

```

Proses Mapping DataBase dengan Gambar Not Balok

```

Sub proses3()

    Dim normalisasi As String
    Dim i As Integer
    Dim total As Integer

    i = 1

    Open "D:\KULIAH\TA\VB\DataOut.txt" For Input As #1
    Do Until EOF(1)
        Line Input #1, linein

        If ((linein = "49#setengah")) Then
            Image1(i).Picture= LoadPicture("d:\KULIAH\TA\VB\c4(empat).jpg")
            total = total + 1
            kelipatan = kelipatan + 1
        ElseIf ((linein = "49#penuh")) Then
            Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\c4(dua).jpg")
            total = total + 2
            kelipatan = kelipatan + 2
        ElseIf ((linein = "51#penuh")) Then
            Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\cis4(dua).jpg")
            total = total + 2
            kelipatan = kelipatan + 2
        ElseIf ((linein = "51#setengah")) Then
            Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\cis4(empat).jpg")
            total = total + 1
            kelipatan = kelipatan + 1
        ElseIf ((linein = "55#penuh")) Then
            Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\d4(dua).jpg")
            total = total + 2
            kelipatan = kelipatan + 2
        ElseIf ((linein = "55#setengah")) Then
            Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\d4(empat).jpg")
            total = total + 1
            kelipatan = kelipatan + 1
        End If
    Loop
End Sub

```



```

ElseIf ((linein = "58#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\dis4(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "58#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\dis4(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "61#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\e4(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "61#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\e4(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "65#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\f4(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "65#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\f4(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "67#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\fis4(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "67#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\fis4(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "73#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\g4(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "73#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\g4(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "77#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\gis4(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "77#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\gis4(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "82#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\a4(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2

```

```

ElseIf ((linein = "82#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\ais4(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "86#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\ais4(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "86#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\ais4(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "92#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\b4(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "92#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\b4(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "98#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\c5(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "98#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\c5(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "103#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\cis5(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "103#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\cis5(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "110#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\d5(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "110#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\d5(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1
ElseIf ((linein = "116#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\dis5(dua).jpg")
total = total + 2
kelipatan = kelipatan + 2
ElseIf ((linein = "116#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\dis5(empat).jpg")
total = total + 1
kelipatan = kelipatan + 1

```

```

ElseIf ((linein = "123#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\e5(dua).jpg")
    total = total + 2
    kelipatan = kelipatan + 2
ElseIf ((linein = "123#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\e5(empat).jpg")
    total = total + 1
    kelipatan = kelipatan + 1
ElseIf ((linein = "129#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\f5(dua).jpg")
    total = total + 2
    kelipatan = kelipatan + 2
ElseIf ((linein = "129#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\f5(empat).jpg")
    total = total + 1
    kelipatan = kelipatan + 1
ElseIf ((linein = "136#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\fis5(dua).jpg")
    total = total + 2
    kelipatan = kelipatan + 2
ElseIf ((linein = "136#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\fis5(empat).jpg")
    total = total + 1
    kelipatan = kelipatan + 1
ElseIf ((linein = "146#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\g5(dua).jpg")
    total = total + 2
    kelipatan = kelipatan + 2
ElseIf ((linein = "146#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\g5(empat).jpg")
    total = total + 1
    kelipatan = kelipatan + 1
ElseIf ((linein = "155#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\gis5(dua).jpg")
    total = total + 2
    kelipatan = kelipatan + 2
ElseIf ((linein = "155#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\gis5(empat).jpg")
    total = total + 1
    kelipatan = kelipatan + 1
ElseIf ((linein = "164#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\a5(dua).jpg")
    total = total + 2
    kelipatan = kelipatan + 2
ElseIf ((linein = "164#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\a5(empat).jpg")
    total = total + 1
    kelipatan = kelipatan + 1
ElseIf ((linein = "173#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\ais5(dua).jpg")
    total = total + 2
    kelipatan = kelipatan + 2

```

```

        ElseIf ((linein = "173#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\ais5(empat).jpg")
        total = total + 1
        kelipatan = kelipatan + 1
        ElseIf ((linein = "183#penuh")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\b5(dua).jpg")
        total = total + 2
        kelipatan = kelipatan + 2
        ElseIf ((linein = "183#setengah")) Then
Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\b5(empat).jpg")
        total = total + 1
        kelipatan = kelipatan + 1

End If

i = i + 1

'Menggambar bar
If ((kelipatan = 8) Or (kelipatan = 9)) Then
    Image1(i).Picture = LoadPicture("d:\KULIAH\TA\VB\bar.jpg")
    i = i + 1
    kelipatan = 0
End If

Loop
Close #1

lbl_jumlahnot.Caption = "Jumlah not = " + Str(total / 2)
lbl_jumlahnot.Visible = True

End Sub

```