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LAMPIRAN

Lampiran 1 Script VB6 Tabu Search

- **Script module 1**

```
Public acak As Integer
Public a(3), b(3), c(3), d(3), e(3), f(3), g(3), h(3)
As String
Public u As String
Public Sub angka()
a(1) = 8.39
a(2) = 21.68
a(3) = 0

b(1) = 24
b(2) = 24
b(3) = 12

c(1) = 12
c(2) = 12
c(3) = 0

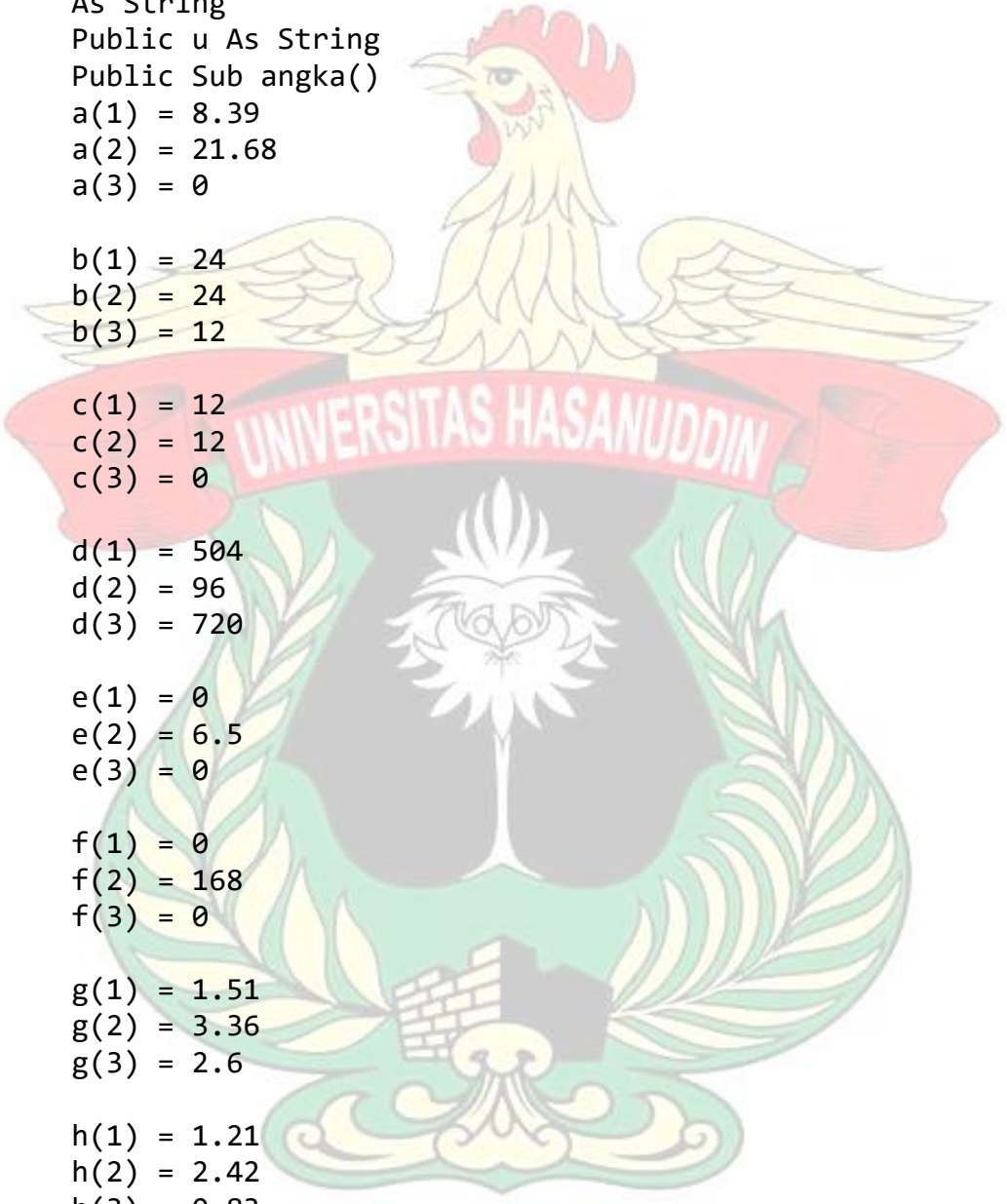
d(1) = 504
d(2) = 96
d(3) = 720

e(1) = 0
e(2) = 6.5
e(3) = 0

f(1) = 0
f(2) = 168
f(3) = 0

g(1) = 1.51
g(2) = 3.36
g(3) = 2.6

h(1) = 1.21
h(2) = 2.42
h(3) = 0.83
```



End Sub

- **Script form 1 (tampilan awal aplikasi)**

```
Private Sub Command1_Click()
```



```
Form6.Show
Me.Hide
End Sub
```

- **Script form 2 (tampilan menu)**

```
Private Sub Command1_Click()
Form4.Show
Me.Hide
End Sub
```

```
Private Sub Command2_Click()
Form5.Show
Me.Hide
End Sub
```

```
Private Sub Command3_Click()
Form6.Show
Me.Hide
End Sub
```

```
Private Sub Command4_Click()
Form1.Show
Me.Hide
End Sub
```

- **Script form 3 (tampilan input data waktu proses)**

```
Private Sub Command1_Click()
Me.Hide
If u = 1 Then
Form4.Show
ElseIf u = 2 Then
Form5.Show
ElseIf u = 3 Then
Form6.Show
End If
End Sub
```

```
Private Sub Command2_Click()
Text1.Text = "8.39"
Text2.Text = "21.68"
Text3.Text = "0"
Text4.Text = "24"
Text5.Text = "24"
Text6.Text = "12"
Text7.Text = "12"
```

```

Text8.Text = "12"
Text9.Text = "0"
Text10.Text = "504"
Text11.Text = "96"
Text12.Text = "720"
Text13.Text = "0"
Text14.Text = "6.5"
Text15.Text = "0"
Text16.Text = "0"
Text17.Text = "168"
Text18.Text = "0"
Text19.Text = "1.51"
Text20.Text = "3.36"
Text21.Text = "2.6"
Text22.Text = "1.21"
Text23.Text = "2.42"
Text24.Text = "0.83"
End Sub

```

- **Script form 4 (tampilan metode penjadwalan acak)**

```

Private acak As Integer
Private a(3), b(3), c(3), d(3), e(3), f(3), g(3), h(3)
As String
Sub bersih()
Label101.Caption = ""
Label201.Caption = ""
Label301.Caption = ""
Label401.Caption = ""
Label501.Caption = ""
Label601.Caption = ""
Label701.Caption = ""
Label801.Caption = ""

Label102.Caption = ""
Label202.Caption = ""
Label302.Caption = ""
Label402.Caption = ""
Label502.Caption = ""
Label602.Caption = ""
Label702.Caption = ""
Label802.Caption = ""

Label103.Caption = ""
Label203.Caption = ""
Label303.Caption = ""
Label403.Caption = ""
Label503.Caption = ""

```

```

Label603.Caption = ""
Label703.Caption = ""
Label803.Caption = ""

```

```

End Sub

```

```

Private Sub mulai()
Text1.Text = ""
Label1.Caption = "10000"
'asr = 0

```

```

a(1) = Form3.Text1.Text
a(2) = Form3.Text2.Text
a(3) = Form3.Text3.Text

```

```

b(1) = Form3.Text4.Text
b(2) = Form3.Text5.Text
b(3) = Form3.Text6.Text

```

```

c(1) = Form3.Text7.Text
c(2) = Form3.Text8.Text
c(3) = Form3.Text9.Text

```

```

d(1) = Form3.Text10.Text
d(2) = Form3.Text11.Text
d(3) = Form3.Text12.Text

```

```

e(1) = Form3.Text13.Text
e(2) = Form3.Text14.Text
e(3) = Form3.Text15.Text

```

```

f(1) = Form3.Text16.Text
f(2) = Form3.Text17.Text
f(3) = Form3.Text18.Text

```

```

g(1) = Form3.Text19.Text
g(2) = Form3.Text20.Text
g(3) = Form3.Text21.Text

```

```

h(1) = Form3.Text22.Text
h(2) = Form3.Text23.Text
h(3) = Form3.Text24.Text

```

For k = 1 To acak 'untuk mengacak jumlah literasi random

'untuk menghindari langkah yang sama dalam 1 baris

mulaia:

rana = Int(Rnd * 10)

If rana < 1 Or rana > 3 Then

GoTo mulaia:

Else

j1 = rana

End If

mulaib:

ranb = Int(Rnd * 10)

If ranb < 1 Or ranb > 3 Or ranb = rana Then

GoTo mulaib:

Else

j2 = ranb

End If

mulaic:

ranc = Int(Rnd * 10)

If ranc < 1 Or ranc > 3 Or ranc = rana Or ranc = ranb
Then

GoTo mulaic:

Else

j3 = ranc

End If

If j1 = j2 Or j1 = j3 Or j2 = j3 Then

Else

bersih

Label101.Caption = a(j1)

Label201.Caption = Val(Label101.Caption) + b(j1)

Label301.Caption = Val(Label201.Caption) + c(j1)

Label401.Caption = Val(Label301.Caption) + d(j1)

Label501.Caption = Val(Label401.Caption) + e(j1)

Label601.Caption = Val(Label501.Caption) + f(j1)

Label701.Caption = Val(Label601.Caption) + g(j1)

Label801.Caption = Val(Label701.Caption) + h(j1)

'timer2

Label102.Caption = Val(Label101.Caption) + a(j2)

If Val(Label201.Caption) > Val(Label102.Caption) Then

Label202.Caption = Val(Label201.Caption) + b(j2)

ElseIf Val(Label201.Caption) <= Val(Label102.Caption)

Then


```

Label202.Caption = Val(Label102.Caption) + b(j2)
End If
If Val(Label301.Caption) > Val(Label202.Caption) Then
    Label302.Caption = Val(Label301.Caption) + c(j2)
ElseIf Val(Label301.Caption) <= Val(Label202.Caption)
Then
    Label302.Caption = Val(Label202.Caption) + c(j2)
End If
If Val(Label401.Caption) > Val(Label302.Caption) Then
    Label402.Caption = Val(Label401.Caption) + d(j2)
ElseIf Val(Label401.Caption) <= Val(Label302.Caption)
Then
    Label402.Caption = Val(Label302.Caption) + d(j2)
End If
If Val(Label501.Caption) > Val(Label402.Caption) Then
    Label502.Caption = Val(Label501.Caption) + e(j2)
ElseIf Val(Label501.Caption) <= Val(Label402.Caption)
Then
    Label502.Caption = Val(Label402.Caption) + e(j2)
End If
If Val(Label601.Caption) > Val(Label502.Caption) Then
    Label602.Caption = Val(Label601.Caption) + f(j2)
ElseIf Val(Label601.Caption) <= Val(Label502.Caption)
Then
    Label602.Caption = Val(Label502.Caption) + f(j2)
End If
If Val(Label701.Caption) > Val(Label602.Caption) Then
    Label702.Caption = Val(Label701.Caption) + g(j2)
ElseIf Val(Label701.Caption) <= Val(Label602.Caption)
Then
    Label702.Caption = Val(Label602.Caption) + g(j2)
End If
If Val(Label801.Caption) > Val(Label702.Caption) Then
    Label802.Caption = Val(Label801.Caption) + h(j2)
ElseIf Val(Label801.Caption) <= Val(Label702.Caption)
Then
    Label802.Caption = Val(Label702.Caption) + h(j2)
End If

'timer3
Label103.Caption = Val(Label102.Caption) + a(j3)
If Val(Label202.Caption) > Val(Label103.Caption) Then
    Label203.Caption = Val(Label202.Caption) + b(j3)
ElseIf Val(Label202.Caption) <= Val(Label103.Caption)
Then
    Label203.Caption = Val(Label103.Caption) + b(j3)
End If

```



```

If Val(Label302.Caption) > Val(Label203.Caption) Then
    Label303.Caption = Val(Label302.Caption) + c(j3)
ElseIf Val(Label302.Caption) <= Val(Label203.Caption)
Then
    Label303.Caption = Val(Label203.Caption) + c(j3)
End If
If Val(Label402.Caption) > Val(Label303.Caption) Then
    Label403.Caption = Val(Label402.Caption) + d(j3)
ElseIf Val(Label402.Caption) <= Val(Label303.Caption)
Then
    Label403.Caption = Val(Label303.Caption) + d(j3)
End If
If Val(Label502.Caption) > Val(Label403.Caption) Then
    Label503.Caption = Val(Label502.Caption) + e(j3)
ElseIf Val(Label502.Caption) <= Val(Label403.Caption)
Then
    Label503.Caption = Val(Label403.Caption) + e(j3)
End If
If Val(Label602.Caption) > Val(Label503.Caption) Then
    Label603.Caption = Val(Label602.Caption) + f(j3)
ElseIf Val(Label602.Caption) <= Val(Label503.Caption)
Then
    Label603.Caption = Val(Label503.Caption) + f(j3)
End If
If Val(Label702.Caption) > Val(Label603.Caption) Then
    Label703.Caption = Val(Label702.Caption) + g(j3)
ElseIf Val(Label702.Caption) <= Val(Label603.Caption)
Then
    Label703.Caption = Val(Label603.Caption) + g(j3)
End If
If Val(Label802.Caption) > Val(Label703.Caption) Then
    Label803.Caption = Val(Label802.Caption) + h(j3)
ElseIf Val(Label802.Caption) <= Val(Label703.Caption)
Then
    Label803.Caption = Val(Label703.Caption) + h(j3)
End If
'k itu nomor random ke berapa, titik pembatas nomor ,
j1-j8 Job ,label908 maxpan,spasi untuk pemisah ,
vbnewline untuk baris baru
Text1.Text = Text1.Text + Label803.Caption & vbNewLine
Text2.Text = Text2.Text + (k & ") " & j1 & j2 & j3) &
vbNewLine
'untuk mencari urutan Job yang maxpan paling kecil
If Val(Label803.Caption) > Val(Label11.Caption) Then
'abaikan
ElseIf Val(Label803.Caption) < Val(Label11.Caption) Then
Label11.Caption = Val(Label803.Caption)

```

```
Label2.Caption = k & ") " & j1 & j2 & j3
End If
```

```
End If
```

```
Next
End Sub
```

```
Private Sub Command1_Click()
Text1.Text = ""
Text2.Text = ""
acak = 6
mulai
'MsgBox "Berhasil", vbOKOnly
End Sub
```

```
Private Sub Command2_Click()
Me.Hide
Form2.Show
End Sub
```

```
Private Sub Command4_Click()
Form3.Show
Me.Hide
u = 1
End Sub
```

- **Script form 5 (tampilan metode penjadwalan manual)**

```
Private acak As Integer
Private a(3), b(3), c(3), d(3), e(3), f(3), g(3), h(3)
As String
```

```
Sub bersih()
Label101.Caption = ""
Label201.Caption = ""
Label301.Caption = ""
Label401.Caption = ""
Label501.Caption = ""
Label601.Caption = ""
Label701.Caption = ""
Label801.Caption = ""
```

```
Label102.Caption = ""
Label202.Caption = ""
Label302.Caption = ""
```

```

Label402.Caption = ""
Label502.Caption = ""
Label602.Caption = ""
Label702.Caption = ""
Label802.Caption = ""

```

```

Label103.Caption = ""
Label203.Caption = ""
Label303.Caption = ""
Label403.Caption = ""
Label503.Caption = ""
Label603.Caption = ""
Label703.Caption = ""
Label803.Caption = ""

```

```
End Sub
```

```
Private Sub Command1_Click()
```

```

a(1) = Form3.Text1.Text
a(2) = Form3.Text2.Text
a(3) = Form3.Text3.Text

```

```

b(1) = Form3.Text4.Text
b(2) = Form3.Text5.Text
b(3) = Form3.Text6.Text

```

```

c(1) = Form3.Text7.Text
c(2) = Form3.Text8.Text
c(3) = Form3.Text9.Text

```

```

d(1) = Form3.Text10.Text
d(2) = Form3.Text11.Text
d(3) = Form3.Text12.Text

```

```

e(1) = Form3.Text13.Text
e(2) = Form3.Text14.Text
e(3) = Form3.Text15.Text

```

```

f(1) = Form3.Text16.Text
f(2) = Form3.Text17.Text
f(3) = Form3.Text18.Text

```

```

g(1) = Form3.Text19.Text
g(2) = Form3.Text20.Text

```



```
g(3) = Form3.Text21.Text
```

```
h(1) = Form3.Text22.Text
```

```
h(2) = Form3.Text23.Text
```

```
h(3) = Form3.Text24.Text
```

```
p = 1
```

```
Dim intFile As Integer
```

```
Dim strFile As String
```

```
strFile = "d:\file.txt"
```

```
intFile = FreeFile
```

```
Open strFile For Output As #intFile
```

```
'untuk req Job mana yg mau dikerjakan lebih dulu
```

```
j1 = Val(Combo2.Text)
```

```
j2 = Val(Combo3.Text)
```

```
j3 = Val(Combo4.Text)
```

```
If j1 = j2 Or j1 = j3 Or j2 = j3 Then
```

```
MsgBox "JOB Tidak Boleh Berulang atau Kosong !!!",  
vbOKOnly
```

```
Else
```

```
bersih
```

```
Label101.Caption = a(j1)
```

```
Label201.Caption = Val(Label101.Caption) + b(j1)
```

```
Label301.Caption = Val(Label201.Caption) + c(j1)
```

```
Label401.Caption = Val(Label301.Caption) + d(j1)
```

```
Label501.Caption = Val(Label401.Caption) + e(j1)
```

```
Label601.Caption = Val(Label501.Caption) + f(j1)
```

```
Label701.Caption = Val(Label601.Caption) + g(j1)
```

```
Label801.Caption = Val(Label701.Caption) + h(j1)
```

```
'timer2
```

```
Label102.Caption = Val(Label101.Caption) + a(j2)
```

```
If Val(Label201.Caption) > Val(Label102.Caption) Then
```

```
Label202.Caption = Val(Label201.Caption) + b(j2)
```

```
ElseIf Val(Label201.Caption) <= Val(Label102.Caption)  
Then
```

```
Label202.Caption = Val(Label102.Caption) + b(j2)
```

```
End If
```

```
If Val(Label301.Caption) > Val(Label202.Caption) Then
```

```
Label302.Caption = Val(Label301.Caption) + c(j2)
```

```
ElseIf Val(Label301.Caption) <= Val(Label202.Caption)  
Then
```

```

    Label302.Caption = Val(Label202.Caption) + c(j2)
End If
If Val(Label401.Caption) > Val(Label302.Caption) Then
    Label402.Caption = Val(Label401.Caption) + d(j2)
ElseIf Val(Label401.Caption) <= Val(Label302.Caption)
Then
    Label402.Caption = Val(Label302.Caption) + d(j2)
End If
If Val(Label501.Caption) > Val(Label402.Caption) Then
    Label502.Caption = Val(Label501.Caption) + e(j2)
ElseIf Val(Label501.Caption) <= Val(Label402.Caption)
Then
    Label502.Caption = Val(Label402.Caption) + e(j2)
End If
If Val(Label601.Caption) > Val(Label502.Caption) Then
    Label602.Caption = Val(Label601.Caption) + f(j2)
ElseIf Val(Label601.Caption) <= Val(Label502.Caption)
Then
    Label602.Caption = Val(Label502.Caption) + f(j2)
End If
If Val(Label701.Caption) > Val(Label602.Caption) Then
    Label702.Caption = Val(Label701.Caption) + g(j2)
ElseIf Val(Label701.Caption) <= Val(Label602.Caption)
Then
    Label702.Caption = Val(Label602.Caption) + g(j2)
End If
If Val(Label801.Caption) > Val(Label702.Caption) Then
    Label802.Caption = Val(Label801.Caption) + h(j2)
ElseIf Val(Label801.Caption) <= Val(Label702.Caption)
Then
    Label802.Caption = Val(Label702.Caption) + h(j2)
End If

'timer3
Label103.Caption = Val(Label102.Caption) + a(j3)
If Val(Label202.Caption) > Val(Label103.Caption) Then
    Label203.Caption = Val(Label202.Caption) + b(j3)
ElseIf Val(Label202.Caption) <= Val(Label103.Caption)
Then
    Label203.Caption = Val(Label103.Caption) + b(j3)
End If
If Val(Label302.Caption) > Val(Label203.Caption) Then
    Label303.Caption = Val(Label302.Caption) + c(j3)
ElseIf Val(Label302.Caption) <= Val(Label203.Caption)
Then
    Label303.Caption = Val(Label203.Caption) + c(j3)
End If

```

```

If Val(Label402.Caption) > Val(Label303.Caption) Then
    Label403.Caption = Val(Label402.Caption) + d(j3)
ElseIf Val(Label402.Caption) <= Val(Label303.Caption)
Then
    Label403.Caption = Val(Label303.Caption) + d(j3)
End If
If Val(Label502.Caption) > Val(Label403.Caption) Then
    Label503.Caption = Val(Label502.Caption) + e(j3)
ElseIf Val(Label502.Caption) <= Val(Label403.Caption)
Then
    Label503.Caption = Val(Label403.Caption) + e(j3)
End If
If Val(Label602.Caption) > Val(Label503.Caption) Then
    Label603.Caption = Val(Label602.Caption) + f(j3)
ElseIf Val(Label602.Caption) <= Val(Label503.Caption)
Then
    Label603.Caption = Val(Label503.Caption) + f(j3)
End If
If Val(Label702.Caption) > Val(Label603.Caption) Then
    Label703.Caption = Val(Label702.Caption) + g(j3)
ElseIf Val(Label702.Caption) <= Val(Label603.Caption)
Then
    Label703.Caption = Val(Label603.Caption) + g(j3)
End If
If Val(Label802.Caption) > Val(Label703.Caption) Then
    Label803.Caption = Val(Label802.Caption) + h(j3)
ElseIf Val(Label802.Caption) <= Val(Label703.Caption)
Then
    Label803.Caption = Val(Label703.Caption) + h(j3)
End If

Print #intFile, ((j1 & j2 & j3) & " " + Label803.Caption)

'k itu nomor random ke berapa, titik pembatas nomor ,
j1-j8 Job ,label908 maxpan,spasi untuk pemisah ,
vbnewline untuk baris baru

End If

Close #intFile
End Sub

Private Sub Command2_Click()

```



```
Me.Hide  
Form2.Show  
End Sub
```

```
Private Sub Command4_Click()  
Form3.Show  
Me.Hide  
u = 2  
End Sub
```

```
Private Sub Form_Load()  
With Combo2  
.AddItem "1"  
.AddItem "2"  
.AddItem "3"  
.AddItem "4"  
.AddItem "5"  
.AddItem "6"  
.AddItem "7"  
.AddItem "8"  
End With  
With Combo3  
.AddItem "1"  
.AddItem "2"  
.AddItem "3"  
.AddItem "4"  
.AddItem "5"  
.AddItem "6"  
.AddItem "7"  
.AddItem "8"  
End With  
With Combo4  
.AddItem "1"  
.AddItem "2"  
.AddItem "3"  
.AddItem "4"  
.AddItem "5"  
.AddItem "6"  
.AddItem "7"  
.AddItem "8"  
End With
```

```
End Sub
```



- Script form 6 (tampilan metode penjadwalan semua kemungkinan)

```

Private acak As Integer
Private a(3), b(3), c(3), d(3), e(3), f(3), g(3), h(3)
As String
Sub bersih()
Label101.Caption = ""
Label201.Caption = ""
Label301.Caption = ""
Label401.Caption = ""
Label501.Caption = ""
Label601.Caption = ""
Label701.Caption = ""
Label801.Caption = ""

Label102.Caption = ""
Label202.Caption = ""
Label302.Caption = ""
Label402.Caption = ""
Label502.Caption = ""
Label602.Caption = ""
Label702.Caption = ""
Label802.Caption = ""

Label103.Caption = ""
Label203.Caption = ""
Label303.Caption = ""
Label403.Caption = ""
Label503.Caption = ""
Label603.Caption = ""
Label703.Caption = ""
Label803.Caption = ""

End Sub

```



```

Private Sub Command1_Click()
Text1.Text = ""
Text2.Text = ""
Label12.Caption = "10000"
a(1) = Form3.Text1.Text
a(2) = Form3.Text2.Text

```

a(3) = Form3.Text3.Text

b(1) = Form3.Text4.Text

b(2) = Form3.Text5.Text

b(3) = Form3.Text6.Text

c(1) = Form3.Text7.Text

c(2) = Form3.Text8.Text

c(3) = Form3.Text9.Text

d(1) = Form3.Text10.Text

d(2) = Form3.Text11.Text

d(3) = Form3.Text12.Text

e(1) = Form3.Text13.Text

e(2) = Form3.Text14.Text

e(3) = Form3.Text15.Text

f(1) = Form3.Text16.Text

f(2) = Form3.Text17.Text

f(3) = Form3.Text18.Text

g(1) = Form3.Text19.Text

g(2) = Form3.Text20.Text

g(3) = Form3.Text21.Text

h(1) = Form3.Text22.Text

h(2) = Form3.Text23.Text

h(3) = Form3.Text24.Text

k = 1

'Dim intFile As Integer

'Dim strFile As String

'strFile = "d:\file.txt"

'intFile = FreeFile

'Open strFile For Output As #intFile

'untuk mencari semua kemungkinan

For j1 = 1 To 3

For j2 = 1 To 3

For j3 = 1 To 3

If j1 = j2 Or j1 = j3 Or j2 = j3 Then

Else


```

bersih
Label101.Caption = a(j1)
Label201.Caption = Val(Label101.Caption) + b(j1)
Label301.Caption = Val(Label201.Caption) + c(j1)
Label401.Caption = Val(Label301.Caption) + d(j1)
Label501.Caption = Val(Label401.Caption) + e(j1)
Label601.Caption = Val(Label501.Caption) + f(j1)
Label701.Caption = Val(Label601.Caption) + g(j1)
Label801.Caption = Val(Label701.Caption) + h(j1)
'timer2
Label102.Caption = Val(Label101.Caption) + a(j2)
If Val(Label201.Caption) > Val(Label102.Caption) Then
    Label202.Caption = Val(Label201.Caption) + b(j2)
ElseIf Val(Label201.Caption) <= Val(Label102.Caption)
Then
    Label202.Caption = Val(Label102.Caption) + b(j2)
End If
If Val(Label301.Caption) > Val(Label202.Caption) Then
    Label302.Caption = Val(Label301.Caption) + c(j2)
ElseIf Val(Label301.Caption) <= Val(Label202.Caption)
Then
    Label302.Caption = Val(Label202.Caption) + c(j2)
End If
If Val(Label401.Caption) > Val(Label302.Caption) Then
    Label402.Caption = Val(Label401.Caption) + d(j2)
ElseIf Val(Label401.Caption) <= Val(Label302.Caption)
Then
    Label402.Caption = Val(Label302.Caption) + d(j2)
End If
If Val(Label501.Caption) > Val(Label402.Caption) Then
    Label502.Caption = Val(Label501.Caption) + e(j2)
ElseIf Val(Label501.Caption) <= Val(Label402.Caption)
Then
    Label502.Caption = Val(Label402.Caption) + e(j2)
End If
If Val(Label601.Caption) > Val(Label502.Caption) Then
    Label602.Caption = Val(Label601.Caption) + f(j2)
ElseIf Val(Label601.Caption) <= Val(Label502.Caption)
Then
    Label602.Caption = Val(Label502.Caption) + f(j2)
End If
If Val(Label701.Caption) > Val(Label602.Caption) Then
    Label702.Caption = Val(Label701.Caption) + g(j2)
ElseIf Val(Label701.Caption) <= Val(Label602.Caption)
Then
    Label702.Caption = Val(Label602.Caption) + g(j2)
End If

```

```

If Val(Label801.Caption) > Val(Label702.Caption) Then
    Label802.Caption = Val(Label801.Caption) + h(j2)
ElseIf Val(Label801.Caption) <= Val(Label702.Caption)
Then
    Label802.Caption = Val(Label702.Caption) + h(j2)
End If

'timer3
Label103.Caption = Val(Label102.Caption) + a(j3)
If Val(Label202.Caption) > Val(Label103.Caption) Then
    Label203.Caption = Val(Label202.Caption) + b(j3)
ElseIf Val(Label202.Caption) <= Val(Label103.Caption)
Then
    Label203.Caption = Val(Label103.Caption) + b(j3)
End If
If Val(Label302.Caption) > Val(Label203.Caption) Then
    Label303.Caption = Val(Label302.Caption) + c(j3)
ElseIf Val(Label302.Caption) <= Val(Label203.Caption)
Then
    Label303.Caption = Val(Label203.Caption) + c(j3)
End If
If Val(Label402.Caption) > Val(Label303.Caption) Then
    Label403.Caption = Val(Label402.Caption) + d(j3)
ElseIf Val(Label402.Caption) <= Val(Label303.Caption)
Then
    Label403.Caption = Val(Label303.Caption) + d(j3)
End If
If Val(Label502.Caption) > Val(Label403.Caption) Then
    Label503.Caption = Val(Label502.Caption) + e(j3)
ElseIf Val(Label502.Caption) <= Val(Label403.Caption)
Then
    Label503.Caption = Val(Label403.Caption) + e(j3)
End If
If Val(Label602.Caption) > Val(Label503.Caption) Then
    Label603.Caption = Val(Label602.Caption) + f(j3)
ElseIf Val(Label602.Caption) <= Val(Label503.Caption)
Then
    Label603.Caption = Val(Label503.Caption) + f(j3)
End If
If Val(Label702.Caption) > Val(Label603.Caption) Then
    Label703.Caption = Val(Label702.Caption) + g(j3)
ElseIf Val(Label702.Caption) <= Val(Label603.Caption)
Then
    Label703.Caption = Val(Label603.Caption) + g(j3)
End If
If Val(Label802.Caption) > Val(Label703.Caption) Then
    Label803.Caption = Val(Label802.Caption) + h(j3)

```

```

ElseIf Val(Label802.Caption) <= Val(Label703.Caption)
Then
    Label803.Caption = Val(Label703.Caption) + h(j3)
End If

```

```

Text1.Text = Text1.Text + Label803.Caption & vbCrLf
Text2.Text = Text2.Text + (k & ") " & j1 & j2 & j3) &
vbCrLf

```

```

'untuk mencari urutan Job yang maxpan paling kecil
If Val(Label803.Caption) > Val(Label12.Caption) Then
'abaikan
ElseIf Val(Label803.Caption) < Val(Label12.Caption)
Then
    Label12.Caption = Val(Label803.Caption)
    Label13.Caption = k & ") " & j1 & j2 & j3
End If
k = k + 1
End If

```

```

'next nya for semua kemungkinan
Next
Next
Next
'Close #intFile
End Sub

```

```

Private Sub Command2_Click()
    Form2.Show
    Me.Hide
End Sub

```

```

Private Sub Command3_Click()

End Sub

```

```

Private Sub Command4_Click()
    Form3.Show
    Me.Hide
    u = 3
End Sub

```


Lampiran 2 Tampilan akhir Aplikasi Sistem Penjadwalan Produksi *Tabu Search* (Visual Basic 6.0).

1. Tampilan awal aplikasi



2. Tampilan menu metode



3. Tampilan *form input data waktu proses*

Silahkan isi data dibawah berdasarkan waktu proses pada masing-masing mesin / proses dan job :

Proses 1	Proses 2	Proses 3	Proses 4	Proses 5	Proses 6	Proses 7	Proses 8
J1 8.39	J1 24	J1 12	J1 504	J1 0	J1 0	J1 1.51	J1 1.21
J2 21.68	J2 24	J2 12	J2 96	J2 6.5	J2 168	J2 3.36	J2 2.42
J3 0	J3 12	J3 0	J3 720	J3 0	J3 0	J3 2.6	J3 0.83

ket :
 Proses 1-8 : menunjukkan mesin/proses yang dilalui oleh setiap job (permintaan)
 J 1-3 : menunjukkan job/permintaan dari konsumen
 default : setingan data waktu asli

Default

4. Tampilan *form penjadwalan produksi dengan metode acak*

Sebelum memulai penjadwalan produksi dengan metode "Acak", silahkan klik tombol "Input Data Waktu Proses" untuk menginput data

Input Data Waktu Proses

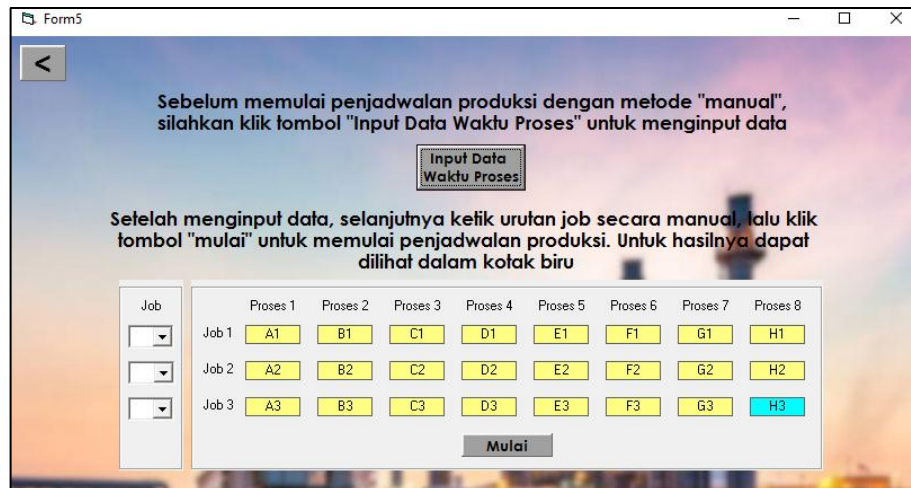
Setelah menginput data, selanjutnya klik tombol "acak" untuk memulai penjadwalan produksi. Untuk hasilnya dapat dilihat dalam kolak biru

	Proses 1	Proses 2	Proses 3	Proses 4	Proses 5	Proses 6	Proses 7	Proses 8
Job 1	A1	B1	C1	D1	E1	F1	G1	H1
Job 2	A2	B2	C2	D2	E2	F2	G2	H2
Job 3	A3	B3	C3	D3	E3	F3	G3	H3

Acak

Urutan:
 Makespan:
 Makespan Terkecil:

5. Tampilan *form* penjadwalan produksi dengan metode manual



Form5

Sebelum memulai penjadwalan produksi dengan metode "manual", silahkan klik tombol "Input Data Waktu Proses" untuk menginput data

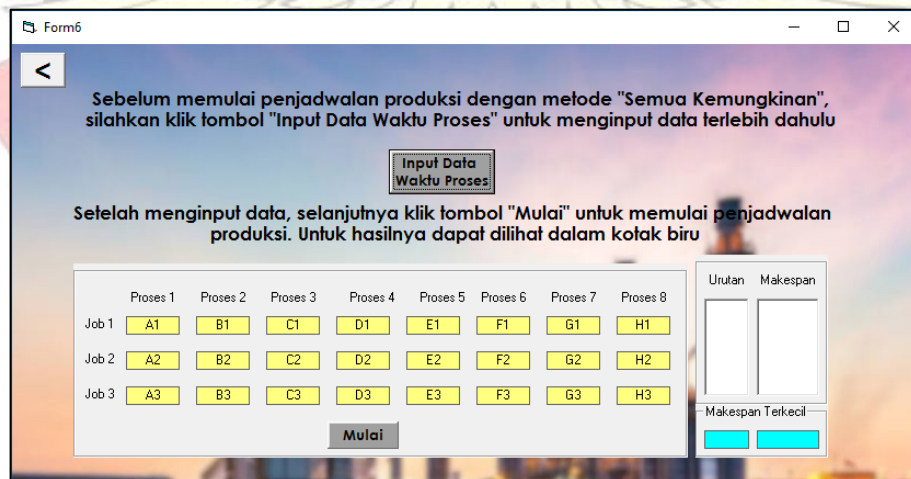
Input Data Waktu Proses

Setelah menginput data, selanjutnya klik urutan job secara manual, lalu klik tombol "mulai" untuk memulai penjadwalan produksi. Untuk hasilnya dapat dilihat dalam kotak biru

Job	Proses 1	Proses 2	Proses 3	Proses 4	Proses 5	Proses 6	Proses 7	Proses 8
Job 1	A1	B1	C1	D1	E1	F1	G1	H1
Job 2	A2	B2	C2	D2	E2	F2	G2	H2
Job 3	A3	B3	C3	D3	E3	F3	G3	H3

Mulai

6. Tampilan *form* penjadwalan produksi dengan metode semua kemungkinan



Form6

Sebelum memulai penjadwalan produksi dengan metode "Semua Kemungkinan", silahkan klik tombol "Input Data Waktu Proses" untuk menginput data terlebih dahulu

Input Data Waktu Proses

Setelah menginput data, selanjutnya klik tombol "Mulai" untuk memulai penjadwalan produksi. Untuk hasilnya dapat dilihat dalam kotak biru

	Proses 1	Proses 2	Proses 3	Proses 4	Proses 5	Proses 6	Proses 7	Proses 8
Job 1	A1	B1	C1	D1	E1	F1	G1	H1
Job 2	A2	B2	C2	D2	E2	F2	G2	H2
Job 3	A3	B3	C3	D3	E3	F3	G3	H3

Mulai

Urutan

Makespan

Makespan Terkecil

Lampiran 3 Dokumentasi



