

Responsi /Tanggapan

Jobsheet

NIM : 3202402021

NAMA : Muhammad Andes

KELAS : MIF 3A

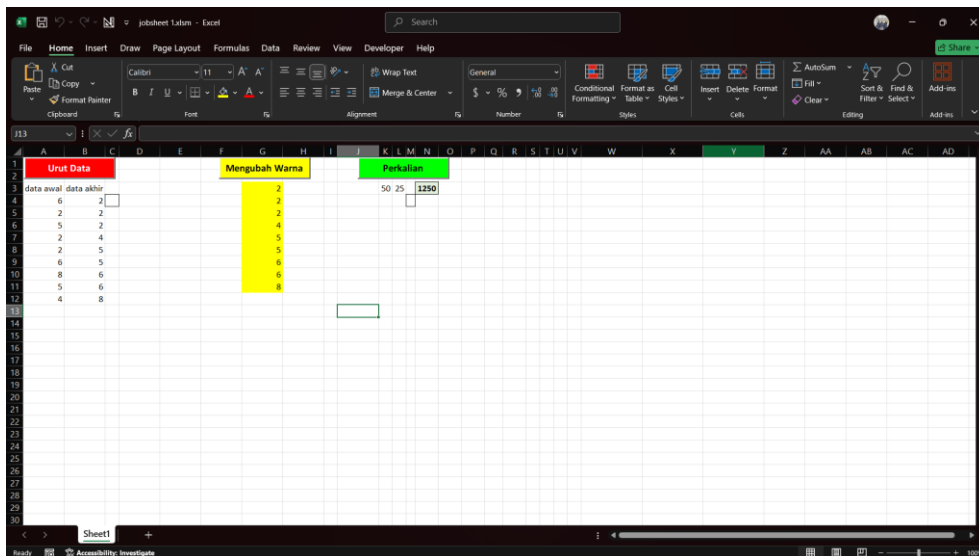
MAKUL : Pemograman Visual

PERTEMUAN KE : 2

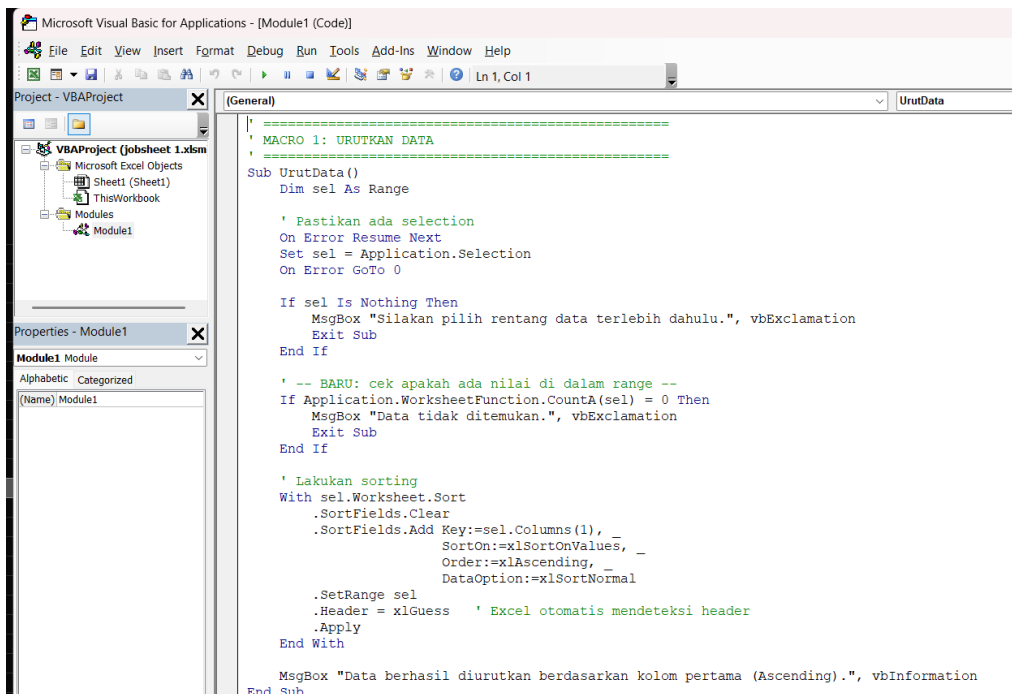
JOBSHEET : 1

RESPONSI/ TANGGAPAN/ RINGKASAN:

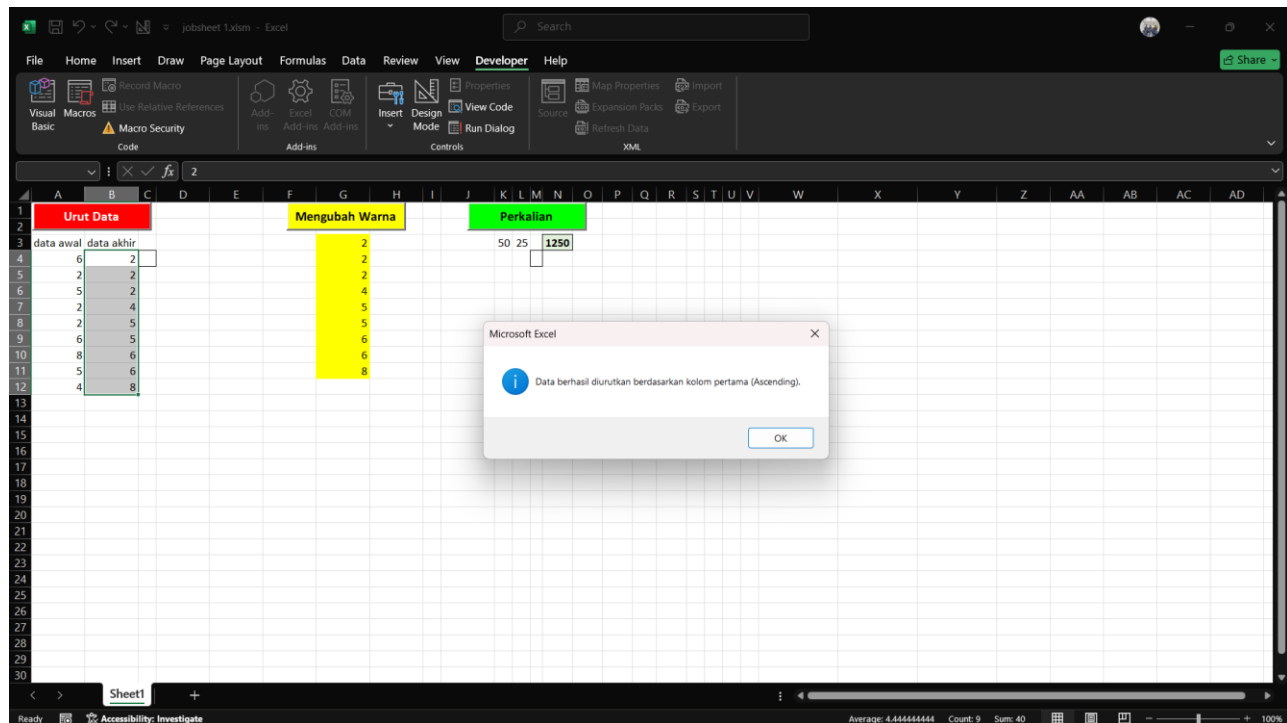
Tampilan Excel pada JobSheet 1



Untuk code makro yang mengurutkan data di rentang sel yang dipilih sebagai berikut



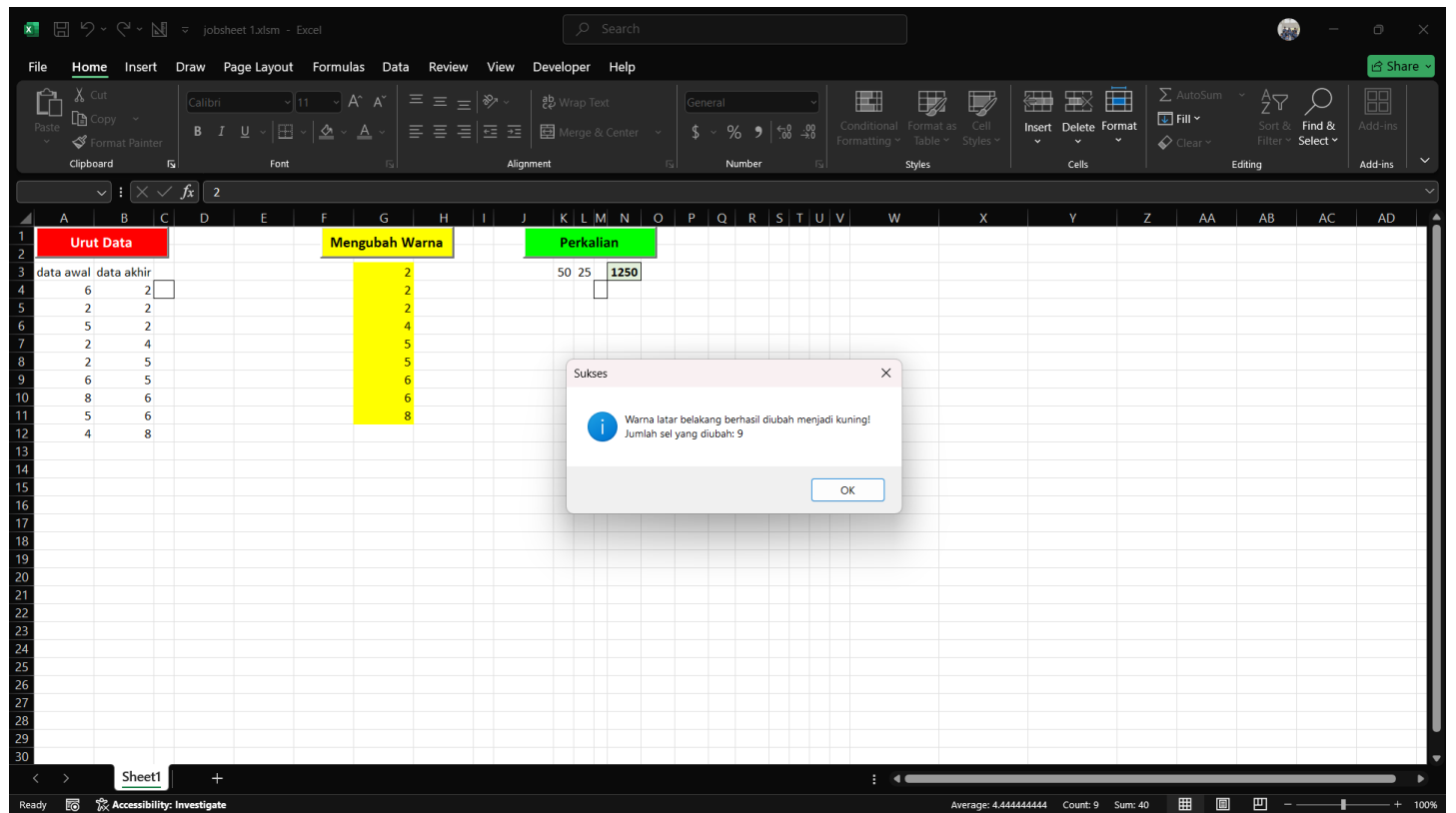
Hasil dari Button yang telah kita berikan makro pengurutan data sebagai berikut



Code untuk mengubah warna table/kolom

```
1 ' =====
2 ' MACRO 2: UBAH WARNA KUNING
3 ' =====
4 Sub MengubahWarna()
5     On Error GoTo ErrorHandler
6
7     If TypeName(Selection) <> "Range" Then
8         MsgBox "Silakan pilih range sel terlebih dahulu!", vbExclamation, "Peringatan"
9         Exit Sub
10    End If
11
12    Dim selectedRange As Range
13    Set selectedRange = Selection
14
15    If selectedRange.Cells.CountLarge = 0 Then
16        MsgBox "Tidak ada range yang dipilih!", vbExclamation, "Peringatan"
17        Exit Sub
18    End If
19
20    If ActiveSheet.ProtectContents Then
21        MsgBox "Worksheet dalam keadaan protected! Silakan unprotect terlebih dahulu.", vbExclamation, "Peringatan"
22        Exit Sub
23    End If
24
25    If selectedRange.Cells.CountLarge > 10000 Then
26        If MsgBox("Anda akan mengubah warna " & Format(selectedRange.Cells.CountLarge, "#,##0") & " sel." & _
27            vbCrLf & "Proses ini mungkin memakan waktu. Lanjutkan?", _
28            vbYesNo + vbQuestion, "Konfirmasi") = vbNo Then
29            Exit Sub
30        End If
31    End If
32
33    Dim screenUpdating As Boolean
34    screenUpdating = Application.screenUpdating
35    Application.screenUpdating = False
36
37    With selectedRange.Interior
38        .Pattern = xlSolid
39        .PatternColorIndex = xlAutomatic
40        .Color = RGB(255, 255, 0)
41        .TintAndShade = 0
42        .PatternTintAndShade = 0
43    End With
44
45    Application.screenUpdating = screenUpdating
46
47    MsgBox "Warna latar belakang berhasil diubah menjadi kuning!" & vbCrLf & _
48        "Jumlah sel yang diubah: " & Format(selectedRange.Cells.Count, "#,##0"), _
49        vbInformation, "Sukses"
50    Exit Sub
51
52 ErrorHandler:
53    Application.screenUpdating = screenUpdating
54    Select Case Err.Number
55        Case 1004
56            MsgBox "Tidak dapat mengubah warna. Worksheet mungkin dalam keadaan protected.", vbCritical, "Error"
57        Case Else
58            MsgBox "Terjadi kesalahan saat mengubah warna: " & Err.Description, vbCritical, "Error"
59    End Select
60 End Sub
```

Hasilnya:



Code makro yang menambahkan kolom baru dengan rumus perkalian antara dua kolom yang ada

```
1 Sub Perkalian()  
2     On Error GoTo ErrorHandler  
3  
4     If TypeName(Selection) <> "Range" Then  
5         MsgBox "Silakan pilih range sel terlebih dahulu!", vbExclamation, "Peringatan"  
6         Exit Sub  
7     End If  
8  
9     Dim r As Range: Set r = Selection  
10  
11     If r.Cells.CountLarge = 0 Or r.Columns.count < 2 Then Exit Sub  
12     If ActiveSheet.ProtectContents Then Exit Sub  
13     If r.Areas.count > 1 Then Exit Sub  
14  
15     Application.screenUpdating = False  
16     Application.calculation = xlCalculationManual  
17  
18     Dim c As Long: c = r.Column + r.Columns.count  
19     Columns(c).Insert Shift:=xlToRight  
20  
21     ' header  
22     With r.Parent.Cells(r.Row, c)  
23         .FormulaR1C1 = "=RC[-" & r.Columns.count & "]*RC[-" & (r.Columns.count - 1) & "]"  
24         .Font.Bold = True  
25         .HorizontalAlignment = xlCenter  
26         .Interior.Color = RGB(226, 239, 218)  
27         .Borders.Weight = xlThin  
28     End With  
29  
30     ' data  
31     Dim i As Long  
32     For i = r.Row + 1 To r.Row + r.Rows.count - 1  
33         If IsNumeric(Cells(i, r.Column)) And IsNumeric(Cells(i, r.Column + 1)) Then  
34             Cells(i, c).Value = Cells(i, r.Column).Value * Cells(i, r.Column + 1).Value  
35             Cells(i, c).NumberFormat = "#,##0.00"  
36         Else  
37             Cells(i, c).Value = "N/A"  
38             Cells(i, c).Font.Color = RGB(255, 0, 0)  
39         End If  
40         Cells(i, c).HorizontalAlignment = xlRight  
41         Cells(i, c).Borders.Weight = xlThin  
42     Next i  
43     Columns(c).AutoFit  
44  
45     Application.screenUpdating = True  
46     Application.calculation = xlCalculationAutomatic  
47  
48     MsgBox "Perkalian berhasil!", vbInformation  
49     Exit Sub  
50  
51 ErrorHandler:  
52     Application.screenUpdating = True  
53     Application.calculation = xlCalculationAutomatic  
54 End Sub  
55
```

Hasilnya:

