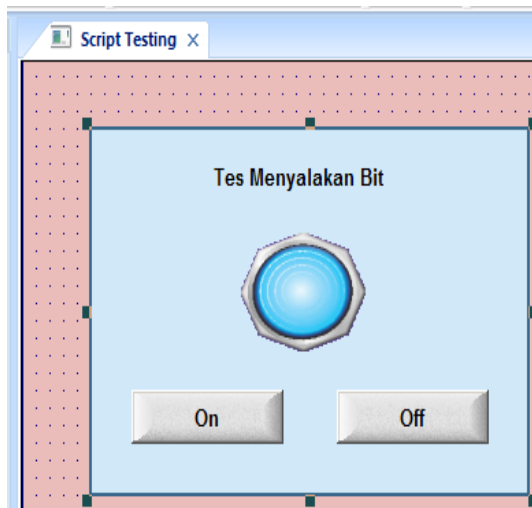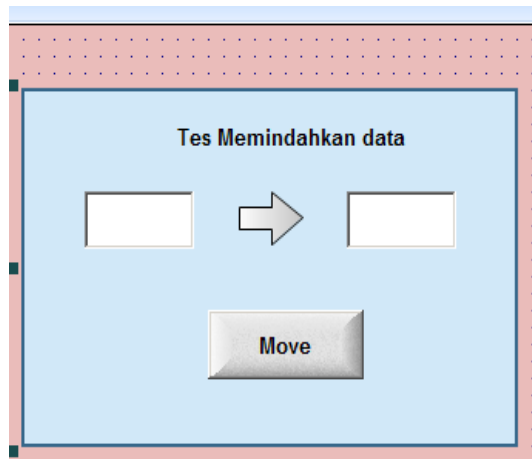Judul   : Mencoba Script Pada Scada Expert
Hari/Tanggal : Senin ,20 Januari 2020
Isi   :
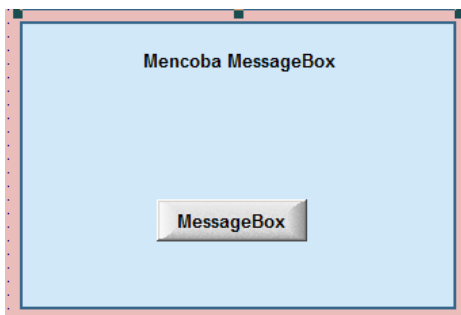
1.Menyalakan Bit


```
14  Sub Screen_WhileOpen()
15  If $bOn=True Then
16  $oLamp=True
17  Else
18  $oLamp=False
19  End If
20
21  If $bOff=True Then
22  $oLamp=False
23  $bOn=False
24  End If
25
26  Call coba
27
28  End Sub
```
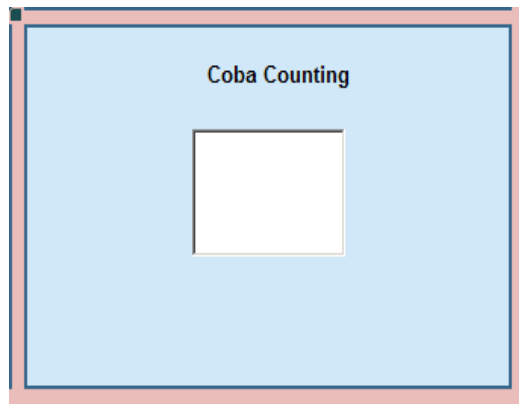
2.Memindahkan data


```
1  'Memindahkan data
2  $tboxValrecv=$tboxval
```
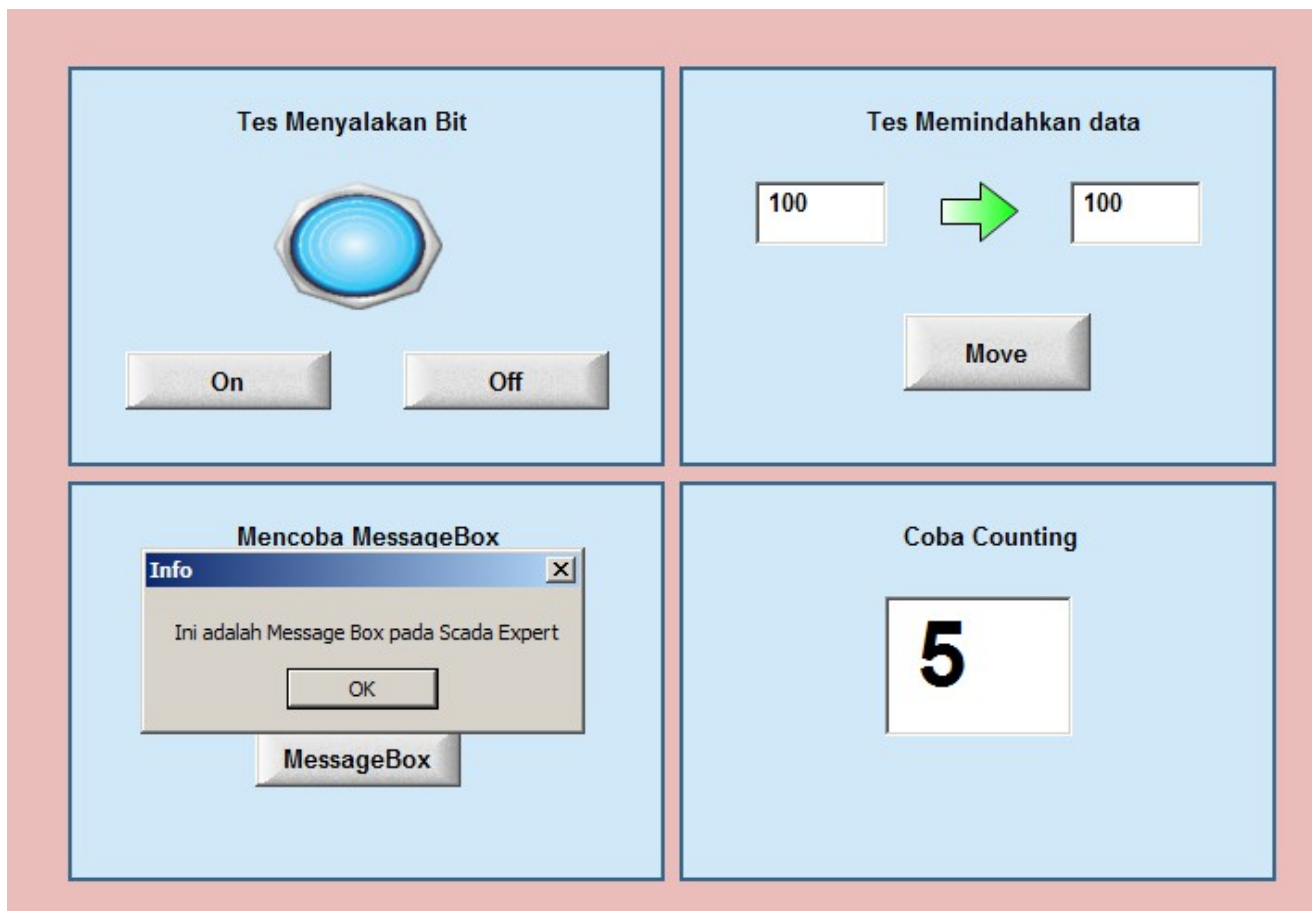
3.Menampilkan Msgbox


```
1  $ShowMessageBox("Ini adalah Message Box pada Scada Expert",(
```
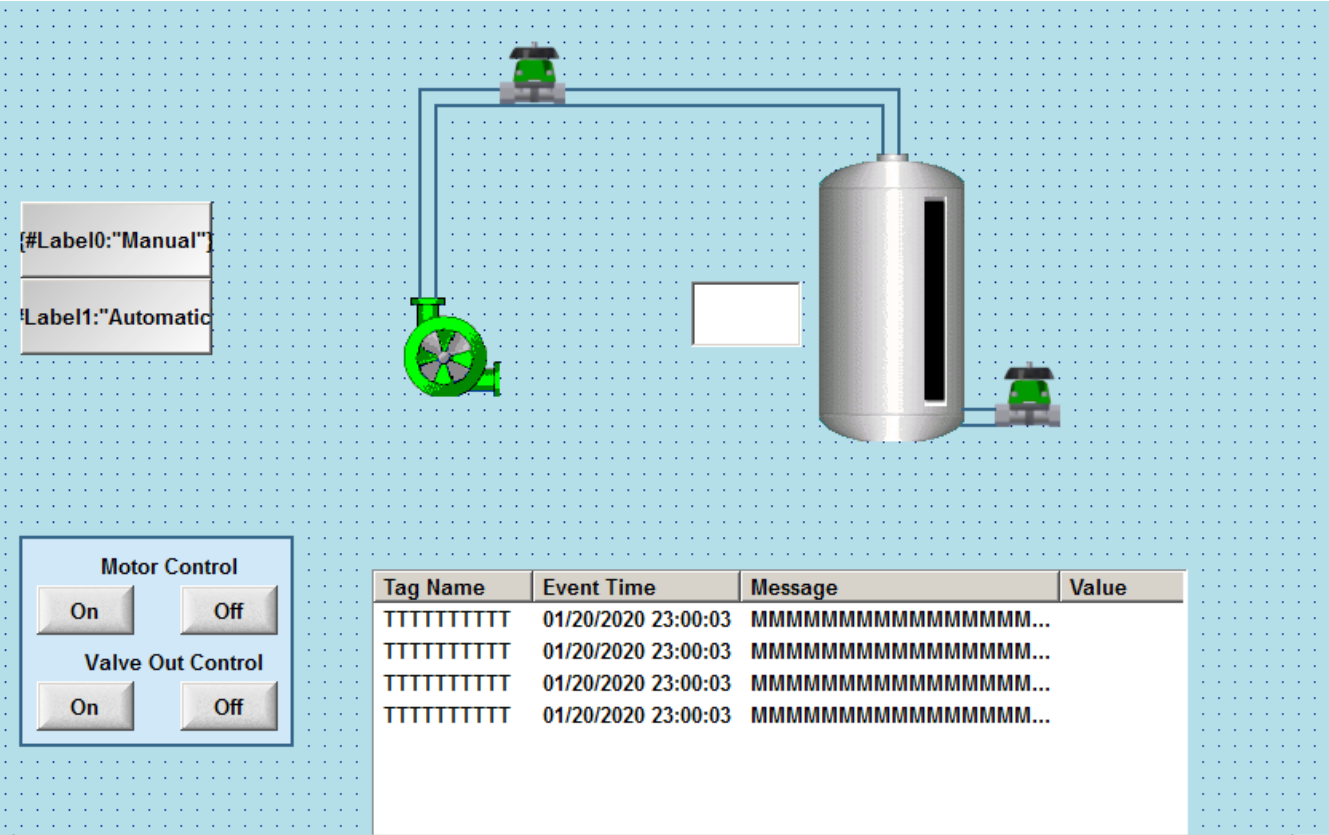
4.Membuat Counting

Coba Counting

```
34
35  Sub coba()
36
37  If $Counting <100 Then
38  $Counting =$Counting+1
39
40  Else
41  $Counting=0
42
43  End If
44
45  End Sub
46
```

Tampilan Online

Tes Menyalakan Bit

On   Off

Tes Memindahkan data

100   ➡   100

Move

Mencoba MessageBox

Info

Ini adalah Message Box pada Scada Expert

OK

MessageBox

Coba Counting

5

5.Simulasi Manual Auto

Pemanggilan sub

```
 8  Sub Screen_OnOpen()
 9  $Tank1=0
10
11
12  End Sub
13
14  'This procedure is executed continuously while this screen is open.
15  Sub Screen_WhileOpen()
16
17  If $bOnOffMtr=True Then
18  coba
19  End If
20
21
22  Manualauto
23
24  Call Pengosongan
25
26  Call off
27  End Sub
28
```

Sub untuk isi tank

```
35  Sub Coba()
36  'Mengisi dengan Jeda 1 Second
37  If $BlinkSlow=True Then
38  'Jika kurang dari 100 maka nilai bertambah
39  If $Tank1<100 Then
40  $Tank1=$Tank1+1
41  Else
42  'jika tidak kurang dari 100 maka nilai =100
43  $Tank1=100
44  End If
45
46  End If
47
48
49
50  End Sub
51
```
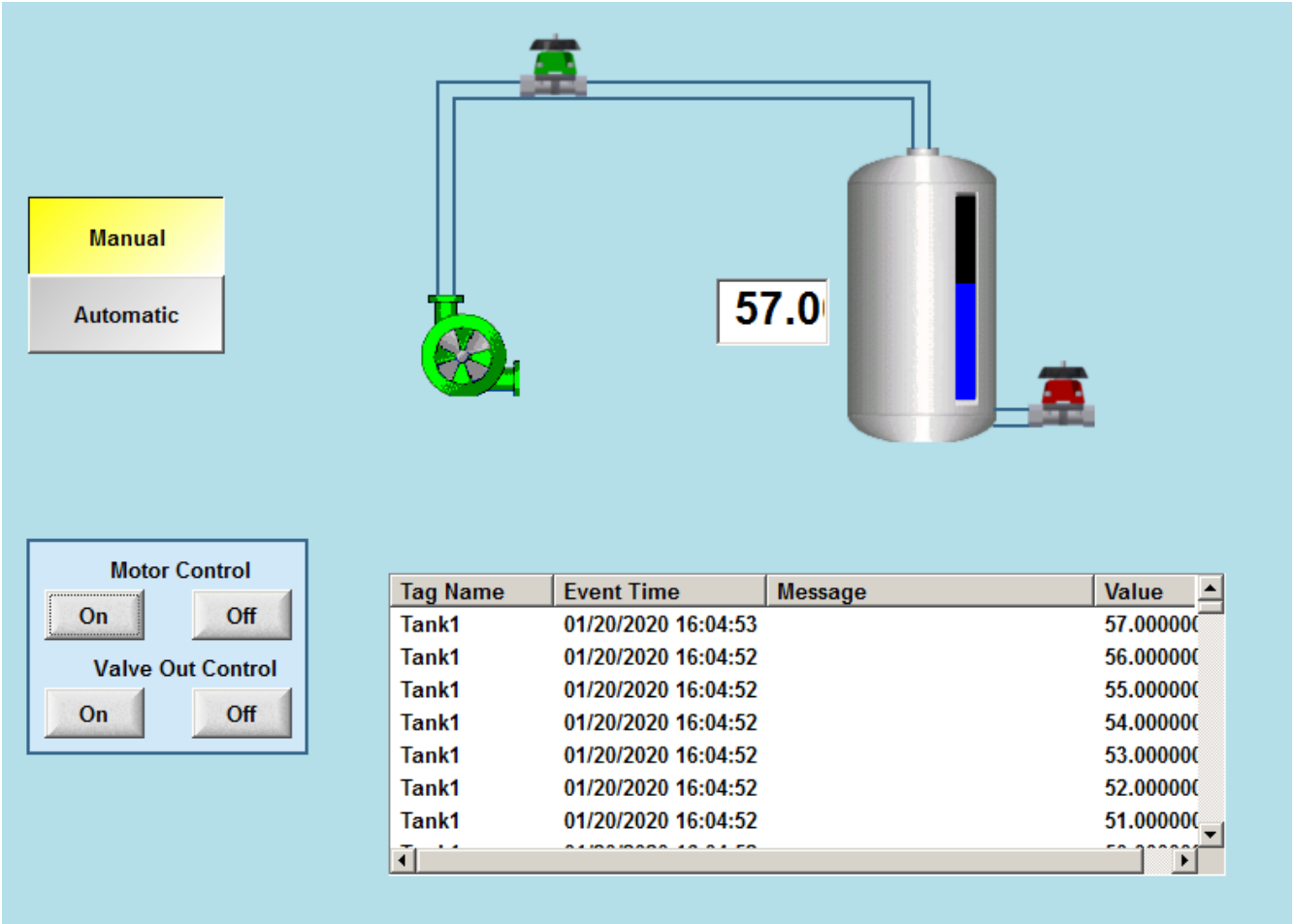
Sub untuk manual auto

```
52  Sub ManualAuto()
53  'Manual=False
54  'Auto -True
55
56  'Jika Auto maka Motor On dan Tank mengisi
57  If $ManAuto=True Then
58  $Run=True
59  $bOnOffMtr=True
60  $ValveIn=True
61
62  End If
63
64  End Sub
65
```
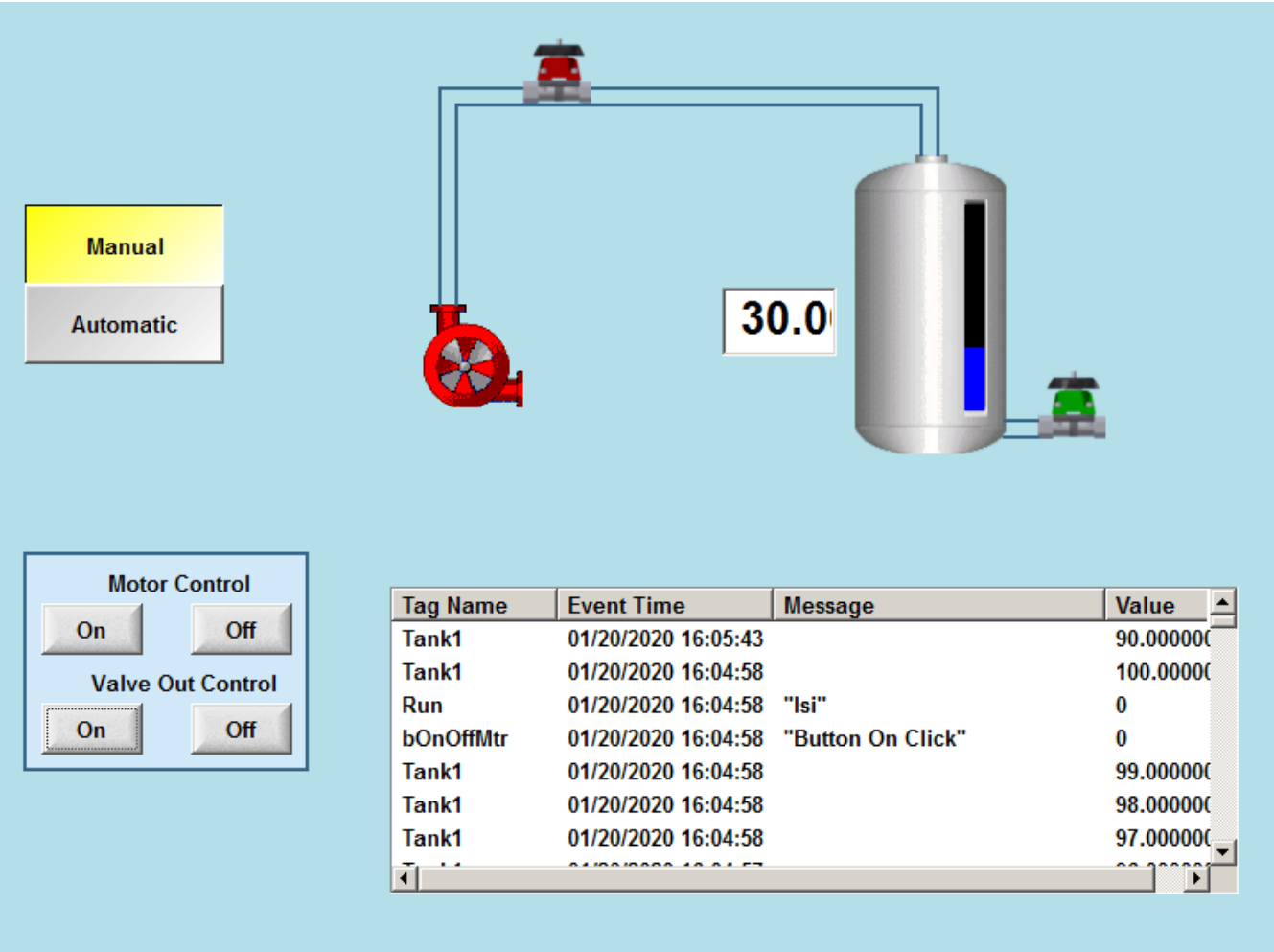
Sub Untuk pengosongan

```
66  Sub Pengosongan()
67  'Mengosongkan
68  'Jika valve Out On maka nilai akan dikurangi 10
69  If $ValveOut =True Then
70      If $BlinkSlow  =True Then
71          If $Tank1>0 Then
72              $Tank1 =$Tank1-10
73
74
75          End If
76
77      End If
78
79  End If
80
81
82
83  If $Tank1=0 Then
84  $ValveOut=False
85  End If
86
87  End Sub
88
89  Sub off()
90  'Jlka nilai =100 maka Motor Off
91  If $Tank1>99 Then
92  $bOnOffMtr =False
93  $Run=False
94  $ValveIn=False
95  End If
96  End Sub
```

Manual pengisian

Tag Name	Event Time	Message	Value
Tank1	01/20/2020 16:04:53		57.000000
Tank1	01/20/2020 16:04:52		56.000000
Tank1	01/20/2020 16:04:52		55.000000
Tank1	01/20/2020 16:04:52		54.000000
Tank1	01/20/2020 16:04:52		53.000000
Tank1	01/20/2020 16:04:52		52.000000
Tank1	01/20/2020 16:04:52		51.000000

Simulasi Pengosongan

6.Simulasi pilot light

pemanggilan sub

```
7   'This procedure is executed just once when this screen is open.
8   Sub Screen_OnOpen()
9   $var=0
10
11  End Sub
12
13  'This procedure is executed continuously while this screen is open.
14  Sub Screen_WhileOpen()
15  Pilot
16  End Sub
17
```

Pilot Light kondisi 1

```
23  Sub Pilot()
24
25  If $BlinkSlow=True Then
26     $var=$var+1
27  End If
28
29  If $var<10 Then
30  $Circle1=True
31  $Circle2=False
32  $Circle3=False
33  $Circle4=True
34  $Circle5=False
35  $Circle6=False
36  $Circle7=True
37  $Circle8=False
38  $Circle9=False
39  End If
```

Pilot Light kondisi 2 dengan Select case

```
40  Select Case $var
41  Case 10
42  $Circle1=False
43  $Circle2=True
44  $Circle3=False
45  $Circle4=True
46  $Circle5=False
47  $Circle6=False
48  $Circle7=True
49  $Circle8=False
50  $Circle9=False
```
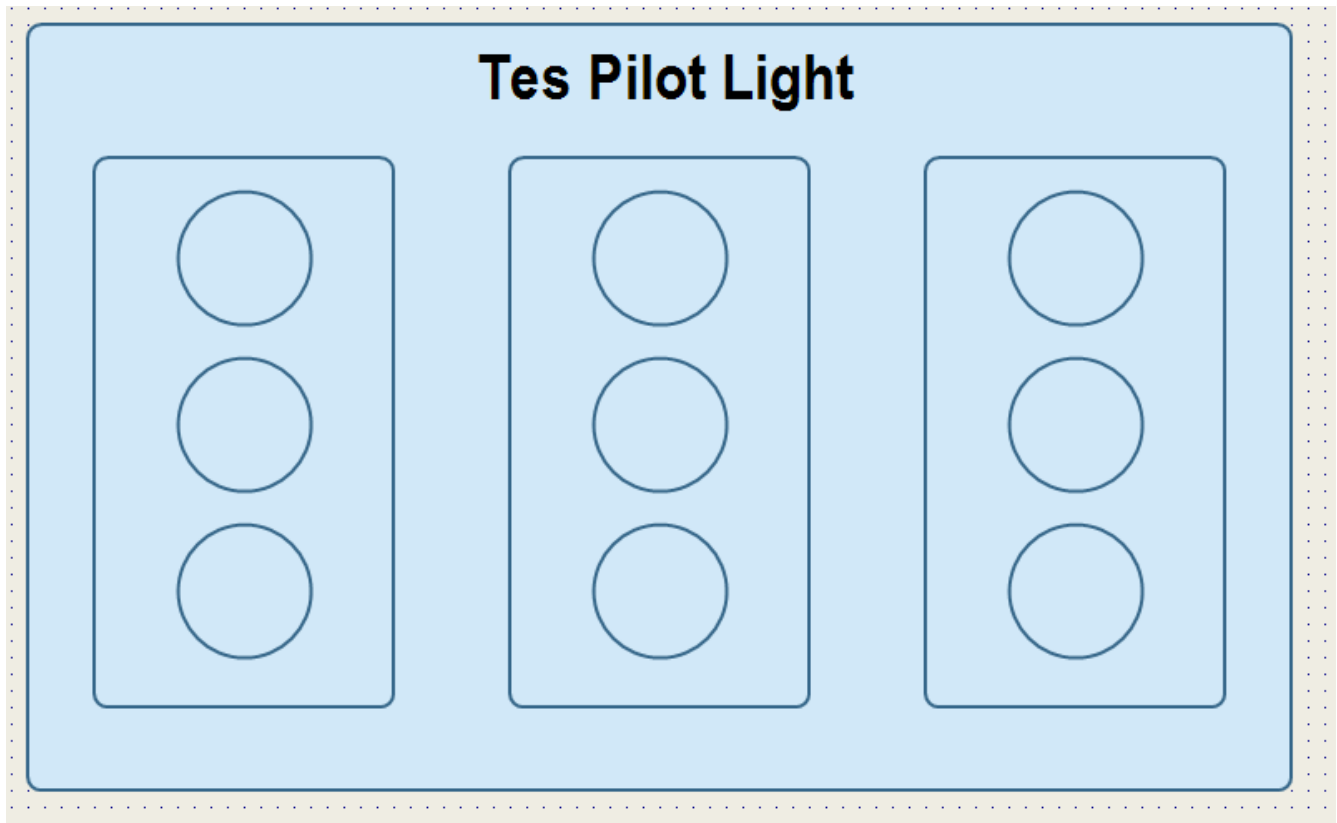
Kondisi 3,4,5

```
61   Case 30
62   $Circle1=True
63   $Circle2=False
64   $Circle3=False
65   $Circle4=False
66   $Circle5=False
67   $Circle6=True
68   $Circle7=True
69   $Circle8=False
70   $Circle9=False
71   Case 40
72   $Circle1=True
73   $Circle2=False
74   $Circle3=False
75   $Circle4=False
76   $Circle5=True
77   $Circle6=False
78   $Circle7=True
79   $Circle8=False
80   $Circle9=False
81   Case 50
82   $Circle1=True
83   $Circle2=False
84   $Circle3=False
85   $Circle4=True
86   $Circle5=False
87   $Circle6=False
88   $Circle7=False
89   $Circle8=False
90   $Circle9=True
```
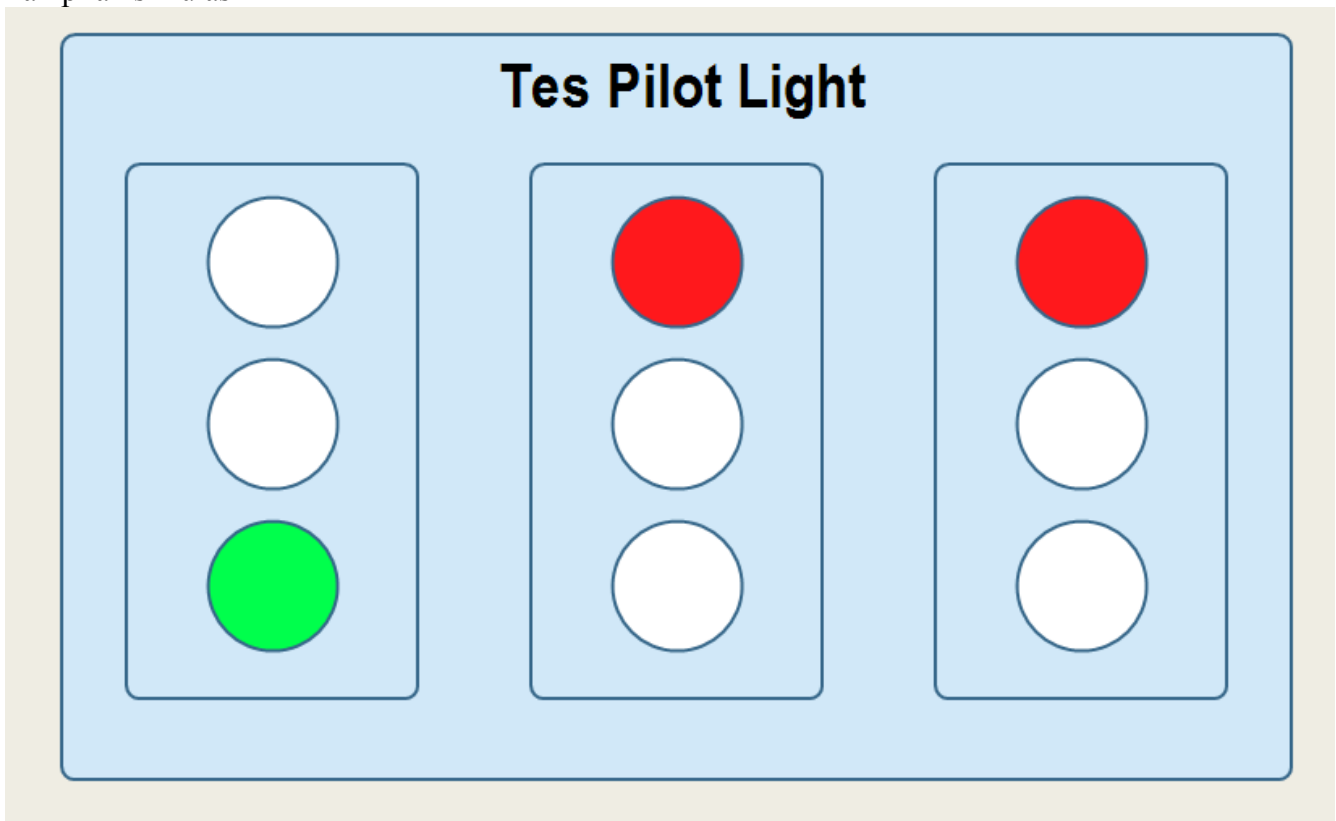
Kondisi 6,dan 7 untuk reset

```
91    Case 60
92    $Circle1=True
93    $Circle2=False
94    $Circle3=False
95    $Circle4=True
96    $Circle5=False
97    $Circle6=False
98    $Circle7=False
99    $Circle8=True
100   $Circle9=False
101   Case 70
102   $var=0
103   End Select
104
105
106
107   End Sub
```
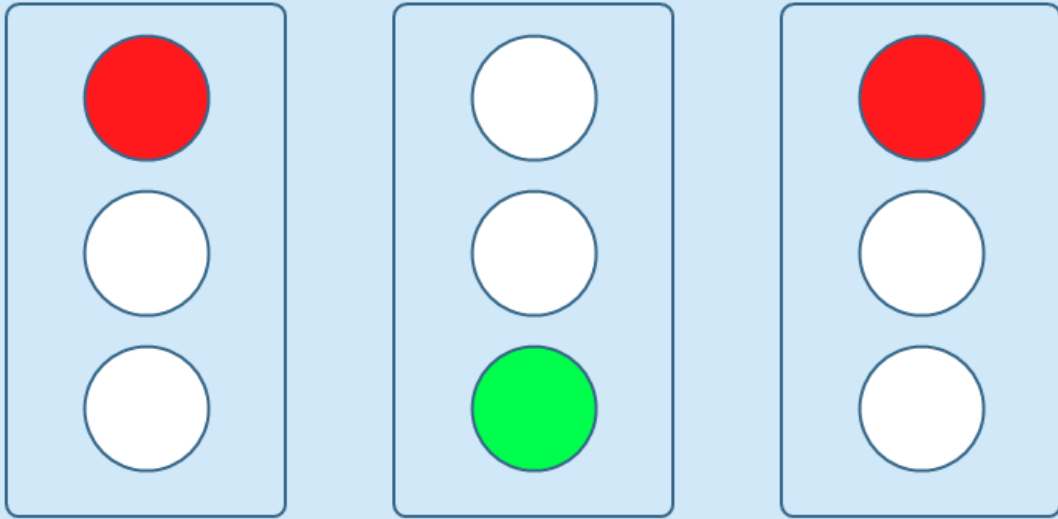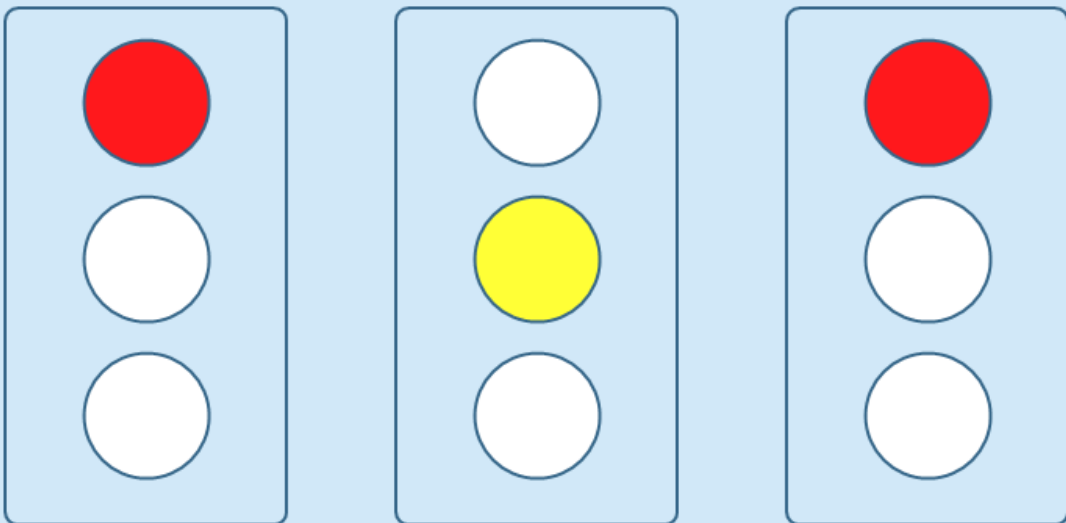
Tampilan Sebelum simulasi
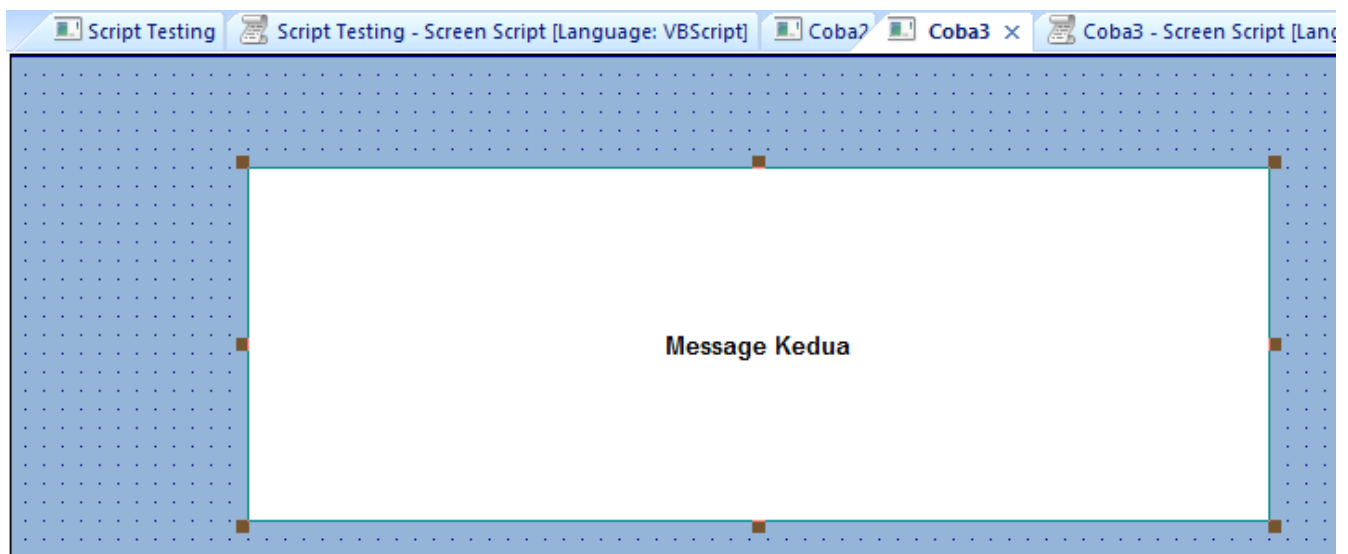

Tampilan simulasi
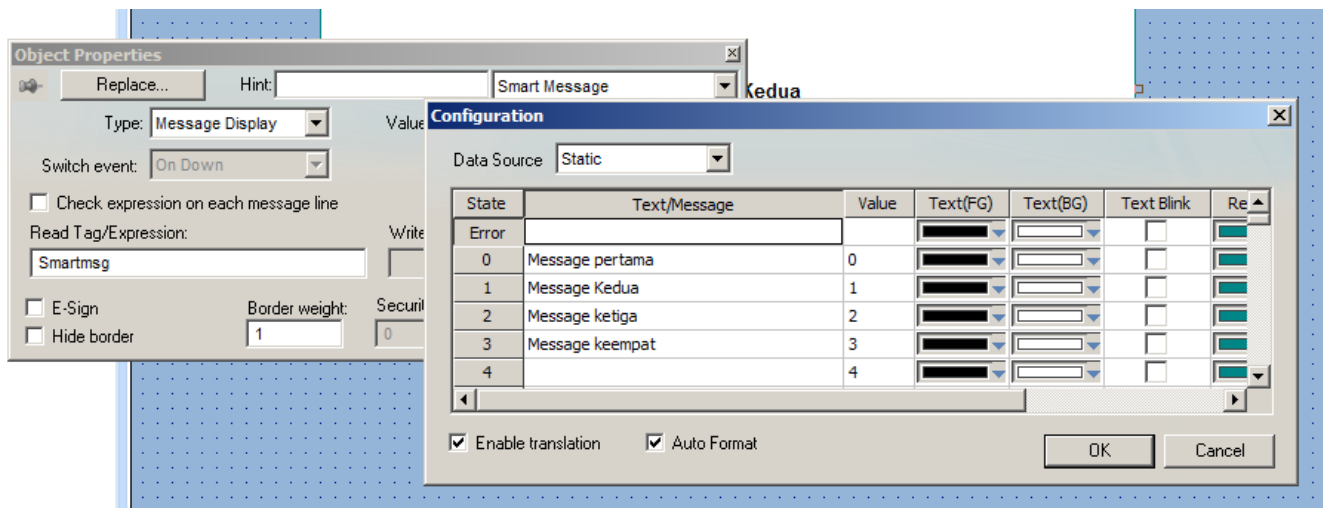
Tes Pilot Light

Tes Pilot Light

7.Smart Message dengan Script dengan fitur SetTagValue

```
13  Sub Screen_WhileOpen()
14  Smartmessages
15  End Sub
16
17  'This procedure is executed just once when this screen is closed.
18  Sub Screen_OnClose()
19
20  End Sub
21
22  Sub Smartmessages()
23  If $BlinkSlow=True Then
24      bvar=bvar+1
25  End If
26
27  Select Case bvar
28
29  Case 0
30  $SetTagValue("$Smartmsg",0)
31  Case 10
32  $SetTagValue("$Smartmsg",1)
33  Case 20
34  $SetTagValue("$Smartmsg",2)
35  Case 30
36  $SetTagValue("$Smartmsg",3)
37  Case 40
38  bvar=0
39  End Select
40
41  End Sub
42
```

Tampilan editing

Settingan di object smart message

Tampilan simulasi