Algorithm 18 Prosedur shiffting.

```
1: procedure insertMassage(in/out img,in M,in defBlok)
2:     Start
3:     n = 0
4:     For b = 0 :Ukuran defBlok do
5:         For i = defBlok[b].y : defBlok[b].y + 2 do
6:             For j = defBlok[b].x : defBlok[b].x + 2 do
7:                 D = img[i][j] − img[i][1]
8:                 If D < −1 Then
9:                     img[i][j]img[i][j] - 1
10:                Else If D == 1 Then
11:                    img[i][j]img[i][j] - M[n]
12:                    n = n + 1
13:                Else If D == 0 Then
14:                    img[i][j]img[i][j] + M[n]
15:                    n = n + 1
16:                Else If D > 0 Then
17:                    img[i][j]img[i][j] + 1
18:                EndFor
19:            EndFor
20:        EndFor
21:    EndFor
22:    End
23: end procedure
```

Algorithm 19 Prosedur inisialisasi *state-array*.

```
1: procedure inisialisasiStateArray
2:     Start
3:     For i = 0 : 255 do                          ▷ Pemberian nilai awal
4:         S[i] = i
5:         K[i] = key[i mod key.length()]
6:     EndFor
7: end procedure
```