Algorithm 10 Prosedur Pembangkitan Kunci Enkripsi.

1: **procedure** PRGA(in/out $defBlok$,in/out img)
2:     Start
3:     i = 0
4:     j = 0
5:     **For** $n = 0 : defBlok.size$ **do**   ▷ Pemberian nilai awal
6:         $i = (i + 1) \ mod \ 256$
7:         $j = (j + S[i]) \ mod \ 256$
8:         Swap $(S[i], S[j])$ ▷ Algoritma 11
9:         $B = s[S[i] + S[j]] \ mod \ 256$
10:         $xorBlok(B, defBlok[n], img)$ ▷ Algoritma 12
11:     **EndFor**
12:     End
13: **end procedure**

Algorithm 11 Prosedur penukaran Nilai.

1: **procedure** SWAP(in/out $val1$,in/out $val2$)
2:     Start
3:     temp = val1
4:     val1 = val2
5:     val1 = temp
6: **end procedure**

Algorithm 12 Prosedur xor blok.

1: **procedure** XORBLOK(in B,in/out pos,in/out img)
2:     Start
3:     **For** $i = 0 : 2$ **do**   ▷ Pemberian nilai awal
4:         **For** $j = 0 : 2$ **do**   ▷ Pemberian nilai awal
5:             $img[pos.x + i][pos.y + j] = img[pos.x + i][pos.y + j] \ xor \ B$
6:         **EndFor**
7:     **EndFor**
8:     End
9: **end procedure**