Array = $[0, 1, 2, 3, \ldots, 252, 253, 254, 255]$

key = Saputra 1

$j = 0 \quad i = 0$

* Iterasi 1

$j = (j + S[i] + k[i \bmod len[k]]) \bmod 256$

$= (0 + S[0] + k[0 \bmod 8]) \bmod 256$

$= k[0] \bmod 256$

$= 115 \bmod 256$

$= 115$

$[115, 1, 2, 3, \ldots, 114, 0, 116, \ldots, 254, 255]$

* Iterasi 2

$j = (j + S[i] + k[i \bmod 8]) \bmod 256$

$\quad\quad\quad {}_{115}$

$= (0 + 1 + k[1]) \bmod 256$
$\quad {}^{115}$

$115 + 1 + 97 \bmod 256$

$= 213$

$\quad\quad 213 \quad\quad\quad\quad 212$

$[115, 213, 2, \ldots, 212, 1, \ldots 254, 255]$

* Iterasi 3

$j = (j + S[i] + k[i \bmod 8]) \bmod 256$

$= (213 + S[2] + k[2]) \bmod 256$

$= 213 + 2 + 112 \bmod 256$

$= 71$

$[115, 213, 71, \ldots, 70, 2, \ldots 254, 255]$

* Iterasi A

$$j = (j + S[i] + k[i \bmod 8]) \bmod 256$$
$$= [71 + S[3] + k[3 \bmod 8]) \bmod 256$$
$$= 79.$$

$$[115, 213, 71, 97, \ldots, 76, 3, 78, \ldots, 255]$$