Nama: Syadad Ripo ah Syaifullah NIM : EIf120093 Relas : Gangil 225 1 ([1) 1121 11 11 11] 15 (2) + 15 (2) 8 3 x 216 \* Algoritma KSA 121823316306 " p" ] , x 256 -> desimal dori "p" - 112 Kunci: Saputral, len(K) = 8 225 1/ (51) 7157 Array S = [0,1,2,3,4,5,6,7,8,..., 100, 101,102, 103, 25, 253, 209, 200] Hetasi 1=1 = 0 ([11] 5 ([1]) True Array S: [115, 213, 71, 3, 9, 5, 6, 7, ..., 69, 70, 70 Fl. ... 112.11. o postos pos oso j = ( ) HS ( ] att k [s] modes (en (k) ] ) modesto o pl = (0+0 + + [0%8]) % 206 = (k(0]) / 256 = (\*5\*)1. 206 = nilai desimal dari \*5\* . 115 = 100011 = 115 % 266 = (i + s (i) + k [ 1 / len (k) ] ) / 25 6 211 . C Swap ( S Ci] , S []] > N ( [ 8 N & ] + + [ & ] ? + | | Swap ( 5 E0] " & E115] ) harrises <= 225 % (""" ) pf)= 956 4(411 + bE)= Array 5 = [115, 1, 2, 3, 4, 5, 6, 7, ..., 100, 1010 112, N13 211970, 46, 117, ... 199, 200, 201, 202, 203, 204, 205, ..., 250, 251, 252, 253, 254, 255.] (5)37 5 E1913) # (forasi 2 = 1 = 1 Array 5 = [ 115, 213, 7, 131, 4, 5, 69, 10, 70, 115, 115, 211 ] = 2 part 115 1 51 jus (ojst s(i) tok & logi len (k)]) % 2560 11 = (115+5[1]+ k [11/28])= 1/2565 125 025 = (115+1+ K[17) % 256 = (116 + "a") 1/256 => desimal daris "a" = 97 ? 12015+1 x = (116 + 97) 1. 256 = 513,6 95200 ([[4] 404 ", 1] 4 + [1] 5 + = 213 945 7 (18 71 1 1 16) 5 + 161) Swap (S Ci], S Cj]) In (UF) & + A. + (e) swap (5 [1] ) & (243) ONICOND (2 225 ) (" ) " 1 201) = Array 5 : [115,213,2,3,9,5,6,7,... 2 112) 113, 114,6, 116, ..., 210,211, 212, 1, 214, ..., 250, 201, 202 2253; 209, 205]

```
* Iterasi 3 = 1 = 2
                            Projet Sympallah
                                             Mania: Surda
                                           Proposition SAIM
        = (j + s [i] + K[i] len (k)])/ 256 ligner
        = (213 + 5 (2] + K[2/8] / 206
        = (217 + 2 + K[2]) % 206
                                               AZA MATHOMIA
        = (215 + "p") 1/256 => desimal dari "p" = 112
        = (215 + 112) 1/2 256
                              Sortial, lentel
      L 20: 1327 %, 256 201, 501.101, 001, ... 8 + 0 3 p. 8 5.1.0] 2
                                                      PETA
                                                    D = 1 = Marioli 4
       Swap (S [i], S [j])
       Swap ( S[2], S (71])
   Array S = [115, 213, 71, 3, 9, 5, 6,7, ..., 69, 70,74,72, ..., 112,113,
                114,0,116 1020. (. [ 1210/210712, 300. 1) 214/... 1250, 251, 252, 251,
                            (0+0++ [0/8]) / 206
                                         (10) / 286
* 1+erasin+ = 3 Til * 2 * 1100 la 11 2 = 1/10 = 1/10 = +1/2019+1 *
         = 71
        = (j + s (i) + k [i/ len (k)]) 1/206
         = (71 +5[3] + + [3% 8]) % 256[] 2. [i) 2) que
         = (74 1 """) % 256 => desimal dari l'u"= 117 com?
         = (79 + 117)% 206
  411. 21.07.1981/ 525611 011 , f. 2.7. 1.8.8.1.711] = 2
                                                          Airau
  1 = 1 = 5 inos 1 ×
      Sup = (S[3], S [1913)
     Thray S = [115,213,7,191,4,5,6,7,..., 69,70,71,72,77,..., 112,113,
                 114, 0 ANB . . . [ 1,1891, 1301, 3 ,192, 1).2 , 210), 211 /212, 1,214, --
                 250, 251, 252, 253, 259,25 ] !!! ] ] ] ] ]
         despiral dails " 2" 1 32 2
K Iterasi
          = 191
          = () + S (i) + K [i / ten (K)]) 1/2006.
           = (igi f s [9] + k [ 1% 8 ] 1/2 206
           = (191 + 4 + K [4]) % 2F6 (1)
           = (195 + "+") / 206 => droined : + "= 116
   = (igs of 116) (61256
                                                115
                                                          Array
         1. 15 BIL 1/2036,5 125 025 ... ins. 1
         ) = 53
```

```
([[] 2, [] 2) qow2
     ([00] 2, [P] 2) qour
     Array
           S = [15.213, 91,191,75,6,6,7,8,1,53,84, 4,56,57,
                  69, 70, 2, 92, 73; ..., 113, 114, 0,16, 117, ..., 189,190,
                  3, 192, ..., 211, 212 11, 214 1. 1. 1 200, 251, 752, 255. 259,26
              or sili devices en Dollie 19
* (forasi 6 = 1 = 5
         = 55
          = () +5 [i] + K [i] len (K)])1/. 286% H
          = (22 +2 [2]+K [2,8]), 529 5. [1
          = (ez te tk[e]) % set ([H]) 5 :
                                                          ponA
  2.55.2.3 (60' + "ro") //. 2062- jadesimalis 111/2 114
JE 26. P. . E 60 + 114 ) % 256 . 52. 22 P. PZ.
 24.7 251 = Opt 179 % 12001 , 6 pt 1 21 .... 85 .
 5 pt 1 575 11174 .. 5P1 5p1 5 pp 281 ... 251
     Array S= [110, 217, 71, 191,00, 174,6,7,8, ..., 53,04,4,66,57,
               69, 70, 2, 72, 73, ..., 113, 114, 0,116, 117, ..., 172, 173
                8, 173, 176, ..., 189, 190, 3, 192, 193, ..., 211, 212,
                1, 214, 215, ..., 250, 251, 252, 253, 254, 255.]
           7 = 1 = 6
& iterasi
                  + SCiJ + K [i/. len (k)])/. 256
             = (179 + S[6] + K (6 1 % 81) % WE
             = (174+ 6 + K [6]% 256
= (186+ "a") % 256 => desimal "a"= 97
             = (180 + 97 %. 206
                277 1. 256
                21
        Swap (S Li], S Cj])
                (S [6], S [70])
        Swap
               S = [ 115, 213, 71, 191, 55, 174, 21, 7, 8, ..., 19, 70)
        Arrau
                       6,22,23,..,53,59,4,56,57,..,69,70,
                       2,72,73,..., 113, 114,0, 116, 117, 172,173,5,
                      175, 176, .., 189, 190, 3, 192, 193, ..., 211, 212,
                      214, 215, 250, 251, 252, 23, 24, 200.7
```

```
* Horosi P - 1 - 7
                                        ([m] 2 [P] 1)
                                                       Swap
       1 . 4
 12.22 D = () + 5 [178+ K [12/02/en(CKD]) / 256
                                                       porte
          = (51+20+1 + K [7.7:8 ]) 1/ 200 00
169,195
= (28 + "1") % 256 -> desimal
            (28 + 49 ) % 256
                                                  22 :
           = 77 % 256
           = 17 11 + K [i/o len (K)]) / 20 11 + () =
      Swap (SCI], SCA) / [2] 21 22 21 22)
           (22 +2 + K[2]) 15 SE([H] 5 , [H] 5)
      gpw2
             = 41 ( 1151, 2130, 0721, 191, 552, 201, 191, 181, 191, 20, 6, 22, 23, ...
    Array
                   53, 54, 4, 56, 57, -21, 69, 170, 2, 92, 73, 74, 75, 76,
                   7, 78,..., 113, 114,0, 116,217, 3.7.5, 174, 173, 17, 175,
                   46,..., 189, 190, 3, 192, 193, ... 1 £11, 212, 1, 219, 218
42. 95 + 45 85 . 200 1 200 200 1 201 . 23 24 4 26. 27.
stirti, ... til 1911 0 hil sil .... st . st . 2. ot . 69
 515.115. ..., 201, 50, 5, 190, 5, 195, ..., 201. 251. 2
      214, 215. . , 253, 251, 252, 273, 215, 415
                                                  = f norsti
              K [i/ len (k)]) / 256
                  K (6 1% 81) 1. 256
                                             1 1551)
           desirued "a" = 97
                               525
                                              031)
                                                     over?
174,21,2,6,000
                        37 . IP1
1.226 JES 28, 88 528 131.025
```