Date

```
Hama: Much Abdillah
 Him
       = 515120000
 ledas = cenap
 nata realian - kniptografi
 KSA ( Key Scheduling Algorithm
 intsiatisasi = So = S1 · - - S255
                            = 255
 Key: Saputra -> length 1 Key = 8
 Harasi le - 0
          J = 0
                5 = 115
  J = (J+S[i] + K(1 mod len(k)) mod 256
    = (0 to + K [0 mod & J] mod 256
    = (6+K[6]) mod 256
       (0 + 115) mod 256
       115 mod 256
 J = 115
                                                Herith le
Swap = S (1] S [ J] = S [ 0], S [ US )
  5 = 115,2,3,4,5,6,7 -- ,114,0,116 - . 255
 BOOK SOME
 Iterasi 14-1
     = 1 J=115 Q = 97
 J = (J + S(i) + K (1 mod len (K) J) mod 252
     = (15+1+k (1 mod a)) mod 216
     = (116 + 1812) mod 256
    = (116 + 97) mad 256
     = 213 mad 252
   J = 213
```

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s = 115, 213, 3, 4, 5, ..., 114, 0, 116 - ... 218, 1, 214 - ... 238

7.11

Herasi ke z

Herasi Ke-3

```
Herasi le-5
 1 = 5 J = 55 S = 119
    = (] +5(1) + K (1 modlen (K) ]) mad 256
    = (55 +5+K (500000)) mod 256
    = (60 + k(5)) mod 256
    = (60 + 119) mod 256
    = 174 mod 256
     = 17-9
Swap = S(i), S(J) = S(5) 1) S(174)
  5 - 115, 213,71,191,55,174,6,-.., 54,4,56,-..,
      70,2,72, --, 119,6,116, -, 1190,3,192, --, 212,
       1,219, ---, 255000 11 - 6
Haasi Lee 6
                  a = 97
          J = 174
    = (7 +5(1)+ K ("I most len (K)]) mod 256
    = (174+6+k(6 moda)) mod 256
    = (190+ K(6)) mod 256
       (100 + 97) mod 256
       277 Mod 256
    = 21
Swap = S(1), S(J) = S(6), S(21)
    = 115, U3, 71, 191, 155, 174, 21, 7, ---, 20, 6, 22,
        --- · 1 59,4,56, --- 70,2,72, --- , 114,6,116,
        --- 173, 5, 196,100, 196,3,192, --- ,212,
        1,241 ..., 255
```

Acras (ce 7	. 7: 5:		1
1=77=211=40	Y	-	1
] = (] + s(i) + k (1 mod (*n(k)) moz	256	2	
= (21 +7+K(+ mod a)) mod 25th	31		
= (20+k(7)) mod 286			
= (28 + 4g) mod 286	11 1 03)		
= 77 mod 28.6		-	
J = 77	1. [1		
map = scs), scd) = s(7), s (77)			production of
5 = 45, 213, 91, 182, 18, 179, 21	, 好见	,	,,,
20,6,22,-59,9,56,,70,	2,72	, ~	ر ~
		_	
76,7,70,,114,0,46,00,1	73,5,1	75-	. ~
76,7,70,,114,0,46,,1 190,3.192,,1212,7,214,			. ~
			. ~
	.,,,		
196,3.192,,282,7,214,	.,,,		
196,3.192,,282,7,214,	.,,,	J	
196,3.192,,212,7,214,	.,,,	J	
196,3.192,,282,7,214,	1 12 4 1)	J	
196/3.192, -> /212,7,214,	1 12 5 1) + 4 Gara	J	
196,3.192,,1212,7,214,	1 12 5 1) + 4 Gara	J	
196,3.192,,1282,7,214,	1 2 = 1) 1 2 = 1) 1 2 = 1)	J	
196,3.192,,202,7,214,	1 12 5 () 1 12 5 () 1 12 5 () 1 12 5 () 1 12 5 ()	J	
196,3.192, ,202,7,214,	1 12 5 () 1 12 5 () 1 12 5 () 1 12 5 () 1 12 5 ()	J	
196,3.192, ,202,7,214,	1 12 5 () 1 12 5 () 1 12 5 () 1 12 5 () 1 12 5 ()	J	

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= Much - Abdillah
Hama
     = EIE1 200000
Am
Kelas = Genap
mata scelian = knip tografi
Psends Random Canaration Algoritm (PREA)
Plantek: 20084
Harafi pafama
1=0 ]=6
for idx = 0 to length (P) -1 do
       = 0 to kn(J)-1 do
      = 0 +0 4 do
      = (1+1) mod 25C
      = (0+1) mad 256
      = (j+5(i) mod 256
     = (0 + 263) mod 256 // milai i diaunti) don smy
swap = s(i), s(j) = s(i), s(zis) sepeleonnya di KsA
    = (S(1) + S(J)) mod 256 1000 110 100 1
     = s(t)
     = (1 + 213) mod 256
       214 mod 256
     = 214
       5 (214)
    C = UDP(6)
      = 219 1 2
```

- Herafi (ce 2 1 = 1 , J = 213 for MARY = 0 +

for index = 0 to 9 i = (i +1) on t 286

T = (1+1) mod 256

= 2 mad 296

= 2

] = (S(1), S(3)) mod 286

= (213+3(2)) mod 250

= (213 + 71) mod 252

= 289 mod 250

= 99

C = u + Pus

= 99 D'6

=> 0 0000H

00110000 B

016 16011 -> chr = D S (Kapta))

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- Haropi (ce 3	b about
i=2 j=20	PIT IT S
For Me = 0 to 4 do	A Ball O E Ala
r = (2+1) mod	256 (1-18)=1
i = 3 mod 256	. 13 =
1 = 3 175 more	$((1)) \mapsto (1) + ((1))$
] = (]+s(i)) me	भी यह
= (2a+191) mo	
= 21g mod 256	(1)
3 = 219	= (Utill) + pain
swap = s(1), s(J)	= 5(3), 5(219)
t = (s(3) + s (2	(g)) mod 276
= (zig + 191)	
= 410 mod z	56 () ((2))
= 159	(1) 1 1 U = 5
	U D CO
$C = u \oplus P(2)$	1 PARKI - 10 (CO (CO (C
= 04 0	DIII DO
= 160 HOLO	DOMO
0011000	MXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
10101010	
•	
Dec = 170	
asai · a	

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1 2-1 4
- Herañ Ge d
i=3 j=219
for pdx = 0 to 4 do
1 = (3+1) mod 2T6
z. 4
J = (J + S (I)) mod 286
= (219 +15) mod 256
= 27A vool 28E
7 = CB . 275 DEVEN DE
swap = scr) f(3) = s(a) · s (a)
t = (s(4) +s (10)) Mose 216
= (10 ts) med 206
= 73
u = 8 (73)
$c = u \oplus P(3)$
= 73 € B
Property = 0 (00 (00)
0011000 B nec : 113 asai = 9
01110001
and walk of the second of the

0 (1 0 0 3

 than s
 T = 4 J = 10
For ulk = 0 to 4 do
 = (4+1) mod 256
= 5
3 = (121+174) mod 256
= 192 mod est =7] =192
excap = S(i), S(j) = S(Nr), S(192)
t = (192+174) mod 256
= (36c) mod 256
t = 40
u = s(110)
$C = u \in P(9)$
= 116 0 O
Sinary = 01101110
\$ 50001100
01611110
pes = 99
Ascii = 1