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KRIPTOGRAFI

TUGAS I

Membuat enkripsi dan deskripsi menggunakan nama lengkap dengan Metode Caesar:

A	В	C	D	E	F	G	Н	Ι	J	K	L	M	N	0	P	Q	R	S	T	U	V	W	X	Y	Z
0	1	2	3	4	5	6	7	8	9	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
										0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

ightharpoonup Enkripsi (Ci = (P + K) mod 26), dimana K=3.

A	\mathbf{W}	A	N	Ι	T	I	T	I	N	S	I	T	U	M	0	R	A	N	G
D	Z	D	Q	L	W	L	\mathbf{W}	L	Q	V	L	\mathbf{W}	X	P	R	U	D	Q	J

• Huruf A

$$Ci = (0 + 3) \mod 26$$

= 3 mod 26
= "D"

Huruf W

• Huruf N

• Huruf I

$$Ci = (8 + 3) \mod 26$$

= 11 mod 26
= "L"

• Huruf T

$$Ci = (19 + 3) \mod 26$$

= 22 mod 26
= "W"

• Huruf S

$$Ci = (18 + 3) \mod 26$$

= 21 mod 26
= "V"

• Huruf M

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• Huruf O

$$Ci = (14 + 3) \mod 26$$

= 17 mod 26
= "R"

• Huruf R

$$Ci = (17 + 3) \mod 26$$

= 20 mod 26
= "U"

• Huruf G

• Huruf U

$$Ci = (20 + 3) \mod 26$$

= 23 mod 26
= "X"

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 \triangleright Deskripsi (Pi = (C - K) mod 26), dimana K=3.

D	Z	D	Q	L	W	L	W	L	Q	V	L	\mathbf{W}	X	P	R	U	D	Q	J
A	\mathbf{W}	A	N	I	T	Ι	T	Ι	N	S	I	T	U	M	O	R	A	N	G

• Huruf D

• Huruf Z

• Huruf Q

$$Ci = (16 - 3) \mod 26$$

= 13 mod 26
= "N"

• Huruf L

• Huruf W

• Huruf V

• Huruf P

$$Ci = (15 - 3) \mod 26$$

= 12 mod 26
= "M"

• Huruf R

• Huruf U

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• Huruf J

Ci = (9 - 3) mod 26 = 6 mod 26 = "G"

• Huruf X

Ci = (23 - 3) mod 26 = 20 mod 26 = "U"