

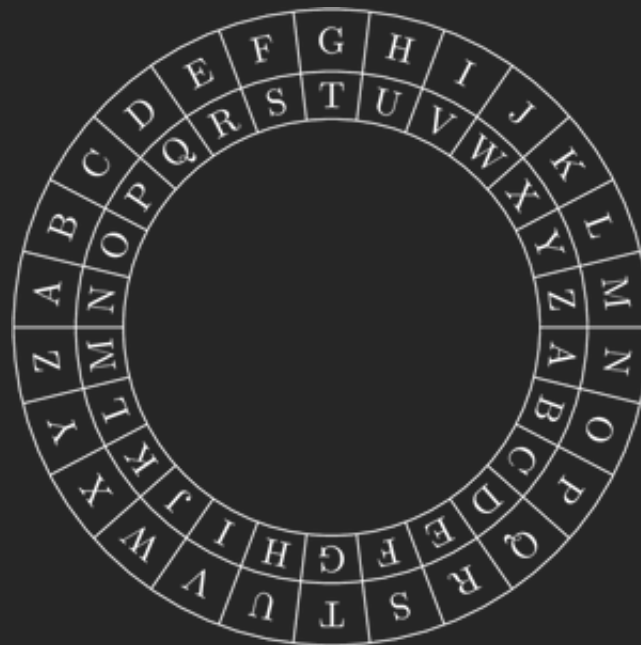
TUGAS 01
M.K. KRIPTOGRAFI

STMIK
Balikpapan

20170925

Judul :

Algoritma Enkripsi ROT13



Oleh :

Rizqi Nur Assyaufi / 15.01.157

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Topik Bahasan :

- Bahasa pemrograman apa yang digunakan ?
- Algoritma program ?
- Method / Function apa yang digunakan ?
- **Let's Ngoding !**
- **Let's GUI** (Graphic User Interface) !

Bahasa Pemrograman :

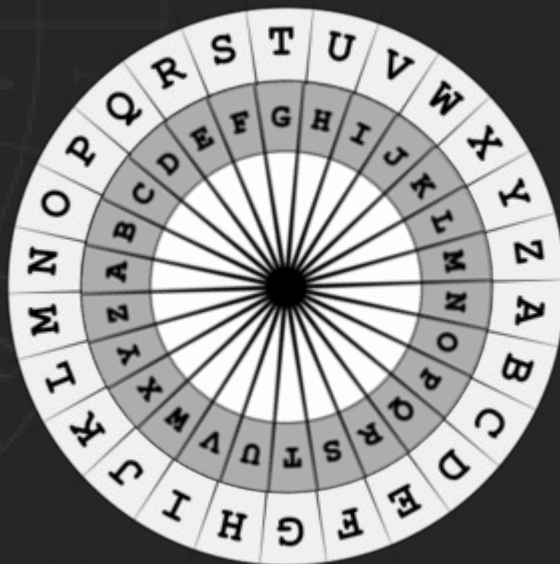


JS

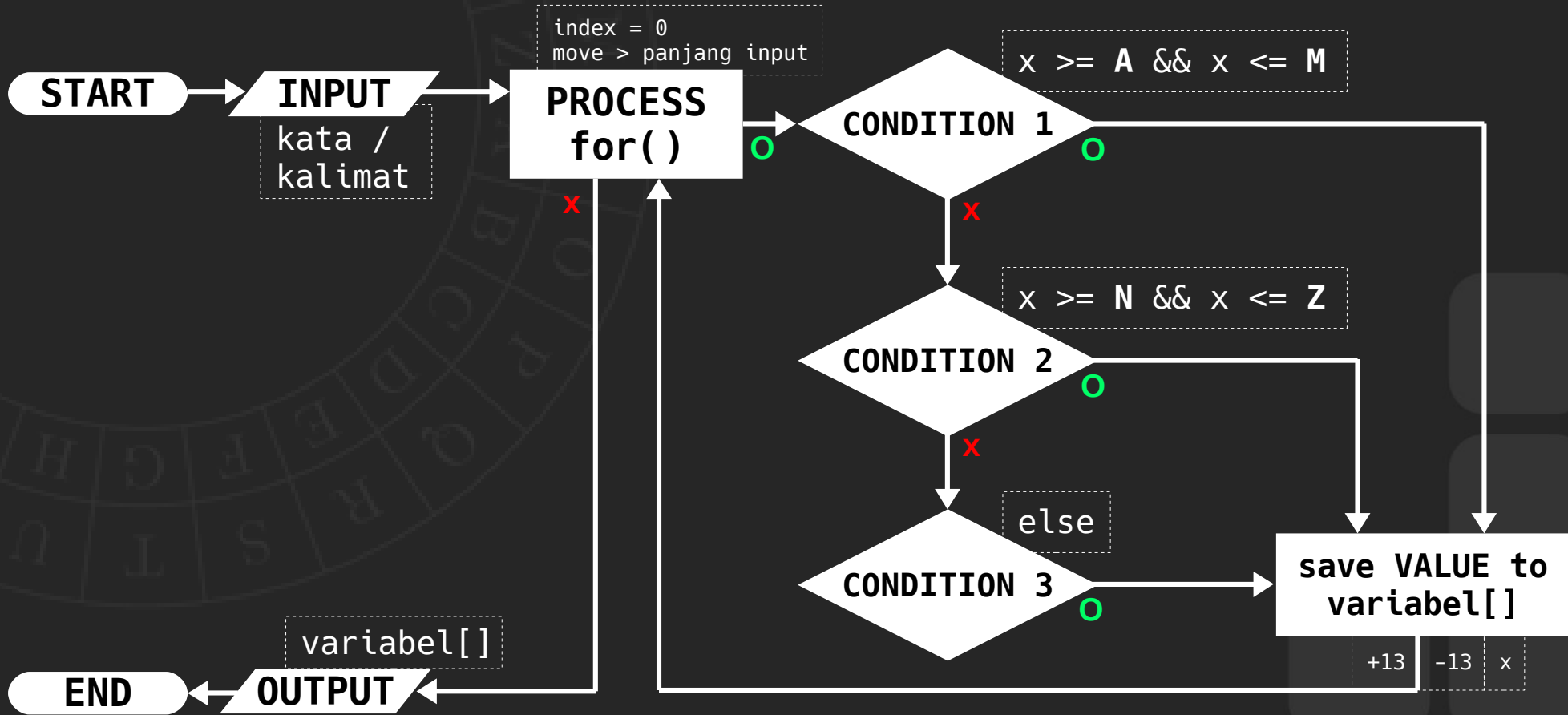
Kenapa JavaScript ?

- include in **Modern Browser**
- **no need to install**
- has many **Standard built-in object**
- integrated with **HTML5 & CSS3**

Algoritma Caesar ROT13 :



Algoritma Program :



Let's
Ngoding,
Bro!

Method / Function built-in JavaScript :

`string.charCodeAt()`

The `charCodeAt()` method **returns** an **integer** **between 0 and 65535** representing the UTF-16 code unit at the given index.

`String.fromCharCode()`

The static `String.fromCharCode()` method **returns** a **string** **created by using the specified sequence** of **Unicode values**.

ASCII TABLE

Decimal	Hex	Char	Decimal	Hex	Char	Decimal	Hex	Char	Decimal	Hex	Char
0	0	[NULL]	32	20	[SPACE]	64	40	@	96	60	`
1	1	[START OF HEADING]	33	21	!	65	41	A	97	61	a
2	2	[START OF TEXT]	34	22	"	66	42	B	98	62	b
3	3	[END OF TEXT]	35	23	#	67	43	C	99	63	c
4	4	[END OF TRANSMISSION]	36	24	\$	68	44	D	100	64	d
5	5	[ENQUIRY]	37	25	%	69	45	E	101	65	e
6	6	[ACKNOWLEDGE]	38	26	&	70	46	F	102	66	f
7	7	[BELL]	39	27	'	71	47	G	103	67	g
8	8	[BACKSPACE]	40	28	(	72	48	H	104	68	h
9	9	[HORIZONTAL TAB]	41	29	)	73	49	I	105	69	i
10	A	[LINE FEED]	42	2A	*	74	4A	J	106	6A	j
11	B	[VERTICAL TAB]	43	2B	+	75	4B	K	107	6B	k
12	C	[FORM FEED]	44	2C	,	76	4C	L	108	6C	l
13	D	[CARRIAGE RETURN]	45	2D	-	77	4D	M	109	6D	m
14	E	[SHIFT OUT]	46	2E	.	78	4E	N	110	6E	n
15	F	[SHIFT IN]	47	2F	/	79	4F	O	111	6F	o
16	10	[DATA LINK ESCAPE]	48	30	0	80	50	P	112	70	p
17	11	[DEVICE CONTROL 1]	49	31	1	81	51	Q	113	71	q
18	12	[DEVICE CONTROL 2]	50	32	2	82	52	R	114	72	r
19	13	[DEVICE CONTROL 3]	51	33	3	83	53	S	115	73	s
20	14	[DEVICE CONTROL 4]	52	34	4	84	54	T	116	74	t
21	15	[NEGATIVE ACKNOWLEDGE]	53	35	5	85	55	U	117	75	u
22	16	[SYNCHRONOUS IDLE]	54	36	6	86	56	V	118	76	v
23	17	[ENG OF TRANS. BLOCK]	55	37	7	87	57	W	119	77	w
24	18	[CANCEL]	56	38	8	88	58	X	120	78	x
25	19	[END OF MEDIUM]	57	39	9	89	59	Y	121	79	y
26	1A	[SUBSTITUTE]	58	3A	:	90	5A	Z	122	7A	z
27	1B	[ESCAPE]	59	3B	;	91	5B	[	123	7B	{
28	1C	[FILE SEPARATOR]	60	3C	<	92	5C	\	124	7C	|
29	1D	[GROUP SEPARATOR]	61	3D	=	93	5D	]	125	7D	}
30	1E	[RECORD SEPARATOR]	62	3E	>	94	5E	^	126	7E	~
31	1F	[UNIT SEPARATOR]	63	3F	?	95	5F	_	127	7F	[DEL]

Let's
GUI,
Bro!

Mockup User Interface Design :

<html>
.container

<h1> Nama App

<p> Deskripsi app

<p> Instruksi penggunaan app

<textarea> .ta #plain

cols: 55 rows: 6

<textarea> .ta #chipper

cols: 55 rows: 6

KONVERSI

JS Javascript

<html>
font-family: Trebuchet
width: 410px
margin: 20px
padding: auto
<textarea>
width: 97%
.container
width: 410px
background: #FFFAAA
border: 1px solid black
border-radius: 10px
padding: 10px
.ta
padding: 5px

ROT13
KONVERTER
brought to you by
RIZQI
NUR
ASSYAUFU

الحمد لله.



Terima Kasih_