$$h = \frac{5-\alpha}{n} = \frac{2-0}{256} = 2$$

$$1 = \frac{h}{2} \cdot (f_0 + 2f_1)$$

$$=\frac{2}{2}.(0+2.0)=0$$

b. Eardah Simpson
$$\frac{1}{3}$$

 $T = \frac{h}{3} \cdot (F_0 + 4F_1^2) = \frac{2}{3} \cdot (0 + 4.0) = 0$

Table Establish Sual 1 $h F(h) = (4h - h^2) exp(h^2) fi$ $0 = (4.0 - 0^{3}) \cdot exp(0^{12}) 0 fo$ $2 = (4.2 - 2^{3}) \cdot exp(2^{12}) 0 fo$

(1) C) Kardah Hite borgah

$$a = 0$$

 $b = 2$
 $h = 2$
 $n = 256$

(0	
Jig F(x)d	$x \sim h \stackrel{\wedge}{\leq} fi + \frac{1}{2}$

the state of the state of the state of

warpfort with of all

	i	*	603)	
	1/2	数十十二	8.1548	
	11/2	3	-12.154	La Apron = (dons')
	21/2	5	-75605	
	TO	istan 1	-75605	or response the
	Han	News	-15121	I have been the fill
Čas is	Carla .	20.00	find Trula	Dipindai dengan CamScanner

(2) A) KID raidal Trajesium

$$0=1.5 \qquad h = \frac{b-a}{b} = \frac{2S-1.5}{0.1} = 10$$

$$b = 2.5 \qquad h = 0.1$$

$$N = 10$$

$$\int_{1.5}^{2.5} (1 \times x^{2}) \cos(x^{2}) \approx \frac{h}{2} (f_{0} + \sum_{i=1}^{n-1} f_{i} + f_{n})$$

$$= \frac{0.1}{2} (-1.4133 + 2(-2.1391 + -2.7990 + ... + 4.9894)$$

$$+ 6.2465) = -0.4400$$

(2) B) Faidah simpson 1/3

$$\frac{1}{3} = \frac{h}{3} \left(f_0 + 4f_1 + 2f_2 + 4f_3 + 2f_4 + 4f_5 + 2f_6 + 4f_7 + 2f_8 + 4f_9 + 16.2465 \right) \\
\approx \frac{0.1}{3} \left(1.5 + 4. - 2.1391 + 2. - 2.7990 + 4. - 32243 + 2. - 3.2211 + 4. - 2.6145 + 2. - 1.3133 + 4.0.6159 + 2.2888 + 4.4.9894 + 6.2465 \right)$$

$$\approx 1.5 + -85564 + -5.508 + -12.8972 + -6.4922 + -10.458 + -2.6266 +$$

 $2.4636 + 5.776 + 19.9576 + 6.2465 = -10.6347$

		the state of the	S. 18 18 -
Li	×	FW)	Nilas trafesium
Fo	1.5	-1.4133	-0,4400
81	1-6	-2.1391	1
FZ	1.7	-2.7990	1
F3	1.8	-3.22 43	1
FA	1-9	-3.2211	
FS	2	-2.6145	,
F6	2.1	-1-3133	
97	2.2	0.6159	
48	2.3	2.8084	
FO	2.4	4.9894	
Flo	2.5	6.2465	m

2 C-tallah tilib lengah

				x/h = 1.5 + (0.1/2.5) = 1.54
ì	× /	F(x)	7	7 × /2 = 1.7 +(0,1/2.5) = 1.71
1/2	1,54	-1.7026		1,592, (0)(1.592) = -17026
11/2	1,64	-2.4195		
2%	1,74	-3.0079		
3%	1,24	-3.2853		1.7
4/2	1.94	-3.0587		
5%	2.04	-2.17.80	-	
61/2	2.14	-0.6063		
7/1	2.24	1.5077		
81/2	2.34	3, 7849		
91/2	244	5.6331		224
T	TE!	-5.3325	-	→ FO >Fg = -1.7026+-2.4195+-3.007g.
th	MPIran	-0.5332		+5.6331 =-5.3325 h. 10791 = 0.15.3325 = -0.5332

1886	
1191 1	

		DAIL.
3.A	* F'(1.2)	
	$F_0' = F_1 - F_{-1} + O(h^2) \approx 0.36143$	- 0.36329 ≈-1.455
	2h 2	2(01)
	hampiran F'(1:2) adolph -1.455	
	* 6, (5)	
	F" = F, -2Fo +F-1+ O(h2)	
	The thing of the	
		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

2. Kaidah brugesium
$$S^b f(x) dx \approx \frac{h}{2} (fo + 2 \xi f)$$

$$d = 1.5 \quad n = b - a - 2.5 - 1.5 \quad m$$

The same

$$d = 1.5$$
 $n = b - a = 2.5 - 1.5 = 10$
 $b = 2.5$ $n = 0.1$
 $h = 0.1$ $n = 10$ trapesium

				DAIR:	
	0,10	9	3		
	\sim		//	v -05	
Lo	= a ×1	×2	6.	$x_n = 2.5$	
		1077			
and the second s	(a) = (a)	(x2) ->	$f_0 = \cos \gamma$	40	
		_			
	Social de	= \ X	€ cos(x3) =	= h (fo+ \(\Sigma\) + Fn)	
		1 /			
	≈ 0.11	0,9992	+2(0,999+	0,9987+0,9989++0	,999
	2				
	+0,9941	્લેર્ટ 🤊		7	
			1	(cos(2,521,52)	
	5 70	((× 2)) = 1,49289	€ \ > ≈ 0,9976	
	71.5	7 · 1 (1) 3 ·		/ ~ 0,3570	
	error =	11,4928	35-0,9974	= 0,49525	
	indek(i)		Fi	nilai traperium	
	10	1,5	0,9992	1,49285	
	1 1000	1,6	0,999	with a well and	
	2	1,7	0,9987	a stable and a debit	
	3	118	0,9984	0,9976	
	4	1,9	0, 998	Parallely 12th Carellel	
	2	2	0,9976	N = 2 L (8) 7 "	
	6	211	0,997		
	7	2,2	0,9964	-0 0 -0	
	8	2,3	0,9957		
	9	2,4	0,995		
66	[0]	2,5	0,9941		
PAPER.	2 /l	ł		,	

0)