$$f'(x) = 12x^2 - 30x + 17$$

$$\frac{4(3)^3 - 15(3)^2 + 17(3) - 6}{108 - 135 + 51 - 6} = 18$$

$$\frac{12(3)^2 - 30(3) + 17}{108 - 90 + 17} = 35$$

$$x_1 = x_0 - F(x_0)$$

$$f'(x_0)$$

No. Date

iteras'

F (K1)

t,(x')

= 2,48571 - 5,01012

16,57375

2,18392

4(2,18342)3 -15(2,18342)2 +17(2,18342)-6

= 1,29957

1

=

X2

· 12(2,18342)2 - 30 (2,18342) +17

8,70527

iterasi

 $X_3 = X_2 - F(X_2)$

f' (x 2)

1,24457 = 2,18392

0,70527

2,04045

· 4(2,04045)3-15(204045)2+17(2,04045)-6

= 01217241

· 12(2,04045)2 - 30(2,04045) + 17

= 5174773

No.

Date

= 2.04095 - 0.217241

= 2,00 265

 $+ (2.00265)^{3} - (5(2.00265)^{2} + (7(2.00265) - 6)$ = 0.0133133

· (2(2.00265)2 -30(2.00265) +17

= 5104778

iterasi (6)

 $xs = x4 - f(x_4)$ $f'(x_4)$

= 2,00265 - 0:0133133

5,09778

= 2,00001

= 0,0000 5

· 12(2,00001)2-30(2,00001)+17

= 5,000 (8

	· · · · · · · · · · · · · · · · · · ·		Date .
iterasi	×v	E(x)	f ' (x)
- 1	3	8/	35
2	2,18,571	5,01012	16,57375
3	2,18342	1,24457	8.705 27
4	2,04095	0(21724)	5,74773
5	2,00265	0,0133133	5,04778
6	2,00001	20000,0	5,00018
	dah mendek		
sehinga	akar yg d	lidapar adala	16000, 2 (000)
sehingga	akar yg d	lidapou adala	16000, C As
sehinga	akar yg d	lidapou adala	16000) L