Namo : Ardes Zubka Putra NPM : 1908/02/0009 Jurusan: Teknik Informatika Kelos A KUIS | - Praktikum Metode Numerik Tentukan akar dari 3x3-9x2-8x +8 =0 Menggunakan metade Bisection di interval [3:4] Lengan toleransi galat | f(c) | \le 1.1 Jawab: f(x)=3x3-9x2-8x+8 interval=[3,4]) Iterasi I $f(a) = f(3) = 3.(3)^{3} - 9(3)^{2} - 8(3) + 8$ = 81 - 81 - 29 +8 = -16 FCb) = F(4) = 3(4) 3 - 9 L4) 2 -8(4) +8 = 0 = 192 - 149 - 32 +8 Cari nilai c! c= 3+9 = 7 = 3,5 F(a) laterton vji selang $f(3) = 3.(3)^3 - 9(3)^2 - 8(3) + 8$ = -16 = -16 = 128,625 - 110,25 - 28 + 8=-1,625 Terbukti f(a). f(c) >0, maka akar beroda pada [Gb]

F(c)=
$$f(3,5) = -1,625$$

 $f(b) = f(a) = 29$
(ari nilai (!
 $c = \frac{3,5}{49} = \frac{7,5}{2} = 3,75$
 $z = \frac{7}{2} = \frac{7}$

·) Iterosi Z