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Himmal Rifqi Perdana
                                                                   A11.2022. 19630
        rnambangan Data
                                                                   A11.4500
                                   l enturan anggota Klasternya, jika dikelumpukan menjadi
                                   2 Waster?
                                   Titil pusat Klaster - C, (3,4), (2 (6,4)
 M7 = (5, 5.5)
        Iterasi 1
     0) D_{11} = \sqrt{(M_{1x} - C_{1x})^2 + (M_{1y} - C_{1y})^2} = \sqrt{(1-3)^2 + (4,5-4)^2} = \sqrt{4+0.25} = 2.06

D_{12} = \sqrt{(M_{2x} - C_{1x})^2 + (M_{2y} - C_{1y})^2} = \sqrt{(3-3)^2 + (6,5-4)^2} = \sqrt{0+6.25} = 2.50
      D13 = V (4-3)2+(4,5-4)2 = V 1+0,25 = 1,12
       DIA = 1 (7.5-3)2+(3,2-4)2 = 14,92+(-0,8)2=1 20,25+0,69=120,89=1,57
       D15=V(6-3)2+(2,3-4)2=V32+(-1,7)2=V9+2,89=V11,89=3,95
       1)16=1(2,5-3)2+(3,8-9)2=1(-0,5)2+(-0,2)2=10,25+0,09=10,29=0,54
       D17 = V(5-3)2+(5,5-4)2= V2+1,52 = V4+2,25 = V6,25 = 2,50
       D21 = V(1-6)2+ (4,5-4)2 = V-52+0,52= V25+0,25= V25,25= 5,02
      D22 = V (3-6) + (6,5-9) = V - 32 + 2,52 = V 9+6,25 = V 15,25 = 3,90
 D23=V(4-6)2+(4,5-4)2=V-2+0,52=V4+0,25=V4,25=2,06
      D2+ = V(7,5-6)2+(3,2-4)2=V1,52+(-0,0)2=V2,25+0,69=V2,89=1,70
 D_{25} = \sqrt{(6-6)^2 + (2,3-4)^2} = \sqrt{0^2 + (-1,7)^2} = \sqrt{0+2.85} = 1.70
 D26 = V [2,5-6)2+(3,8-9)2=V(-3,5)2+(-0,2)2=V12,25+0,04=V12,25=3,50
 D27 = V(5-6)2+(5,5-9)2 = V(-1)2+1,52 = V1+2,25 = V3,25 = 1,80
                                                                  M6 M7
                                                         M5
                                                                   0,59 2,50
                                                         3,45
                                                4,57
       Darah Le C, 2,06 2,50 1,12
                                                                  3,50 1,80
                                                          1,70
                        5,02 3,90 2,06 1,70
 Joran Le C2
        [ IN, 1M2, 1M3, 1M6 3 anggota C, dan & 1M9, 1M5, 1M7 3 anggota C2
C) C_1 = \left(\frac{1+3+4+2,5}{4}, \frac{4,5+6,5+4,5+3,8}{4}\right) = \frac{10.5}{4}, \frac{19.3}{4} = \left(\frac{2.62}{4,82}\right)
C_2 = \left(\frac{7.5+6+5}{3}, \frac{3.2+2,3+5,5}{3}\right) = \frac{18.5}{3} + \frac{11}{3} = \left(\frac{6,17}{3},\frac{3,67}{3}\right)
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No.

 $C_1 = (2,62,4,02)$   $C_2 = (6,17,3,67)$ 1-2,62)2+(4,5-4,82)2=1(-1,62)2+(-0,32)2=12,62+0,10 (4-2,62)2+(4,5-4,82)2=V1,382+(-0,32)2=V1,90+0,10 Dig=V(7,5-2,62)2+(3,2-4,82)2=V1,882+(-1,62)2=V23,81+2,62  $D_{15} = \sqrt{(6-2,62)^2 + (2,3-4,82)^2} = \sqrt{3,38^2 + (-2,52)^2} = \sqrt{11,42+6,35}$ D16=V(2,5-2,62)2+(3,8-4,82)2=V(-0,12)2+(-1,02)2=V0,01+1,04 = 11,05=1,02 D17 = V(5-2,62)2+ (5,5-4,82)2 = V2,382+0,682 = V5,66+0,46 = 16,12 = 2,97 D21 = V(1-6,17)2+(4,5-3,67)2=V(-5,17)2+(0,83)2=V26,73+0,69 = 1 27,92 = 5,27 D22 = V(3-6,17)2+(6,5-3,67)2=V(-3,17)2+(2,83)2=V10,05+8,01  $0_{23} = \sqrt{(4-6,17)^2 + (4,5-3,67)^2} = \sqrt{(-2,17)^2 + (0,83)^2} = \sqrt{9,71+0,65}$ D29 = V(7,5-6,17)2+(3,2-3,67)2=V(1,33)2+(-0,47)2=V1,77+0,22  $0_{25} = \sqrt{(6-6,17)^2 + (2,3-3,67)^2} = \sqrt{(-0,17)^2 + (-1,37)^2} = \sqrt{0,03+1,88}$  $D_{26} = \sqrt{(2,5-6,17)^{2}+(3,0-3,67)^{2}}=\sqrt{(-3,67)^{2}+(0,13)^{2}}=\sqrt{13,47+0,02}$ 

 $D_{27} = \sqrt{(5-6,17)^2+(5,5-3,67)^2} = \sqrt{(-1,17)^2+(1,83)^2} = \sqrt{1,37+3,35}$ 

6)	MI	12	Mz	14	M5	146	M7
Jorah 14 C,	1,65	1,72	1,41	5,19	9,21	1,02	2,47
Jorah La Ci Jorah La Ci	1,65	4,25	2,32	1,41	1,38	3,67	2,17
				1	-		-

[M, M2, M3, M63 anggota C, dan [M4, M5, M33

C) Jadi harena anggota helumpuh tidak ada yang berubah maka titik pusat pun tidak ahan burubah