NIM: 302	ri Mur Dahahal 12110010	oiyah MJ			1
Prodi : Sie	tem Informas	'n			
	( N	The state of	Lean	Van Jahr	
of Metod		uster until 1	nengelompok	cean area.	
Ho	71 72		1.7		
2	3 2				
3	1 1 1				
9	3 1				
5		0.5	11301 - 7	17 4 47 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	/
100 Tar				ļ ,	
Jawab:	V-1 2		4 7	- 21) L Stall-	1.,
	Initial Centra		1 K=2	1 7 -	
		Y1 \ Y2	ealeu		
	kı	2 2	d (ki,	$(2-2)^2 + ($	(2-2) = 0
	L k <sub>2</sub>	3 1 2	d CKI,	K2) = V(2-3)2 + (	.2-2)= (-
		#			
	CHURHER		Centr	roid	
		Cluster	Y1 / Y2	Assignment	
7.4.5	GRALL.				•
7.4.2.6	Mex Yes	KI	0 1	\	}
		kı kz	0 1	0	
2.6			1 0		
k=2	YHA		I Eut	clidean	
Calculat	e	kz   Dataset	1 D Eut	Clidean Cluster 2   Asc	Signment
Calculat	e = \(\(\sigma - 1)^2 + \(\sigma - 1)^2	kz Dataset	Cluster 1	Cluster 2   Asso 2,236	signment
Calculat	e = $\sqrt{(2-1)^2+(2-1)^2}$ = $\sqrt{1+1}$ = $\sqrt{2}$	kz Dataset	Cluster 1	Clidean Cluster 2   Asc	signment
Calculat	e = \(\(\sigma - 1)^2 + \(\sigma - 1)^2	Dataset 3	Eut Cluster 1 1,414 Updat	Cluster 2   Asc 2,236   Cluster CK2)	signment
(alculat d (ki,nz)	e $= \sqrt{(2-1)^2 + (2-1)^2}$ $= \sqrt{1 + 1} = \sqrt{2}$ $= 1, 414$	Dataset  Cli	Cluster 1	Cluster 2   Asc 2,236   Cluster CK2) e cluster CK2)	1
(alculat d (ki,nz)	e = $\sqrt{(2-1)^2+(2-1)^2}$ = $\sqrt{1+1}$ = $\sqrt{2}$	Dataset 3	Cluster 1 1,414  Lupdat  when I	Cluster 2   Asc 2,236   Cluster CK2) e cluster CK2)	Signment ) = (24) 2) = (1+2)

		(4)
	,	
a transmission		 - 60

k: 2	In total	Fucl	idean	
Calculate	Datuset	cluster 1	Cluster 2	Assignent
$d(\mu, nq) = \sqrt{(2-3)^2 + (2-1)^2}$	3	1,414	2,236	2
= VI+1 = V2	4	1,414	1,118	2
d () = 1, 414	& updat	e cluster	2 (kz)	

d (k2, n4) = V (2-3)2+ (1,5-1)2 = VI+ 0,25 = 1.118

-	Chister	14	Y2	ki (yi)= (215+115)=24
	1 les	2.5	0,5	2
	162	2	1,5	k (y2) = (2+1) = 1,5/
				2 7

	1		
1	Endidean	71/	
Datasel	Chuster 1	Cluster 2	Assignment
3	1,814	2,236	2
9	1,414	1,118	2
5	1	8111	2
	Dafasel 3	Dafaset Chuster 1 3 1.214 4 1.414 5 1	Dafosel Chuster 1 Cluster 2 1.814 2,236 4 1,414 1,118

1		Ju	pdale Clu	ister 2
Ī	cluster	41	×2	$k_1(y_1) = \frac{(215 + 1.5)}{2} = 2$
1	ki	2	0.5	ka (yz) = (015+015) = 015
	K2	2	113	2

do	41 /	42	Assignment	
1	2	2	(	
2	3	2	0	
3	1	1	2	
9	3	1	2	
5	15	015	2	