2.)	AHC (AMPROPIA	rarchical cl	ustering)	
	Data	Hum_reactions		Hum-Love	
	ı	عدد	109	аŝ	SINGLE
	2	રુત્ર	204	46	2 INK
	3	357	300	35	
	4	177	160	27	Rumus Minstowsky= 4
	5	298	262	34	
	G	192	168	22	•
	}	147	141	Б	
	8	161	163	8	
	9	317	269	47	,
	[D	321	275	44	
	u	297	257	20	
	. 12	199	186	11/3 11	e for the solution of
				17. 11.	<u>tard transing re</u>
*	ITERASÌ	1	the wife.	1	V 11 11 11 11 11 11 11 11 11 11 11 11 11
-	9 (x.A) 11	= (226 - 226 4	+ 1189-189 4	+125-2517)	7 - 001
41.	(x,y)1,2	-() 226 - 252 /1	+ 189-204	+ 25 -45 4	•
		= 28.584	•		1
-	q (x.a)1.3	=(226-337	9 + 1 189-30019	+ (25 - 35)	= 132
_	d (x.4). 4	2 (1226-17214	+ 1189-15019	+ 25 - 2714)	⁷⁴ = 83.31
	d(x.4)15	= (122'6 - 298 A	+ (189-262)	1 + 125 - 24 [7]	14 = 86.23
_	d (x.4)1.6	- (1224-192)	1 (189 - 168)	1+ 122- 32/3)	4 = 35.18
_	d (x.4)1.7	= (1226-14719	+ (189-1411	4 + (25 - 2/4),	74 = 81.64
4	d(x.y)1.8.	= (226 - 61 9	t (189 - 153)	1 + 152-8(1)	4 = 66.66
-	d(x.4)19	-(126-317H	+ (189-269)	4 1 25-4714)	4 = 102.36
+	d (x.y)1.10	= (226-321 4	+ 1189-275	4 + 25 - 44)4: 108.09
-	d (xy)1.11	= (1226-20ah	+ 1189 - 2571	1 4/25-201)4 = 74.75
	d (x.y)1.12	4 (0.4)	11189-1861	+ 25 - 13 4	14 · 29 26.
	C C- 1/1/1x				
					,
		3			
					

-									- 1				
		2	2	3	4	S	6	7	8	9	10	11	12
	1	0						. 1	t 1/2 1				r . r . r . r . r . r . r . r . r . r .
	2	2858	0					-			• - 1		
	_3	132	108.32	0							1		
	4	5231	79.65	<i>1</i> 84.61	0								
	5	86.23	63.06	45.80	138.85	0		(
	6					1956	0						
	_ \$	8169	108-75	269.96	3202	164.65	46.60	0			• !		
						80.PH			0		;		
	9	(02.36	77.30	32.42	15.51	20.01	36.64	182.40	166.88	0	2 - 1		
	10	10802	03.27	36vg	161.14	23.75	H2.H	ÓF-F81	172.16	6.36	0		
	11	79.75	54.91	6966	126.03	17.98	106-49	120.52	3492	37.85	40.72	0	
	12	27.26	64.84	151.86	37.38	0F.W)	18-37	58.13	42.53	124.81	129.95	92.39	0
→													Punyai Mllai Terfecil 6.36
						Menj							
→	Meng	hetoi	19 10	arak	anto	ara	Clust	er (a	(01.	dena	an 0	byet-	ιαιπ
													7.05) = 102.36
						: 6							
						3 : 9			NIN (08) = 26.08
						: d			nin (1.14) = 185.51
		10)5				: 610	_		nin (-			3.75) = 20.04
G.	d (%	1.10)6		200		: 010			nin (2.14) = 180.64
7.	d (g					: 910			nn (7.70) = 182.40
0.0	1 (9	8(01	· MI	n	10.8	: 010	(8.		nin (2.10) - 166.88
2	d (9	10)11	. M	in (da.11	; d11	211)	= 1	VIII (0.72) = 37.05
10.	d (0	3.10)	· M	in (09.1	idic	(2)	= N	nin-	(134	1.81	: 12	19.95) - 124.81
		1	2	3	4	6	6	7	8	9.10		12	1
	1	0			Ť.			i i	-	-		1-	
		28 98	0							, 	,		- Milai tertecil dari Matriks
		132.00		0		·			·			-	adalah jarak 7 dan 8 Punya
				164.4	0							 	Milai fureal 15.60 knwdian
				45.80		_				ļ	-	-	Ladinaka hidalam r
	6	3018	65.00	165.35	10.00	119.56	<u></u>	<u> </u>			-	-	digabungkan bedalam E
	7	21.10	(A)	300 UK	12.00	119:50 164:61	<u> </u>	0				-	Cluster
									_		-	-	
	<u> </u>	16.55	27.79	19436	21.09	149.08	3172	15.60	0				
	9.10	104%	1730	26.00	15531	20.64	136.CA	182:40	(668)	10	-	-	
	11	74.75	प्रश	5960	126.07	17.98 106.70	100.49	150.00	B4.91	37.85	0		
	12	1000	15/10A	Hrl OL	10000	1	110 34	INO I'A	140 C7	1144 61	10 -	1 8	

	Men	ghitu	19 1	arak	ant	ara	Clust	(r (7	(6.1	den	gan	Obyek lain
1. d	(1.8)),		- MI	<u>1 (d</u>	1.1.5	98-1) -	Min (81.	69 ;	: 66.95) = 66.55
2 d	(4.0))2		= Min	(da	.2 %	dp.2) = 1	νιη (108	.75 j	93.74) = 93.79
3. d	(7.8))3	17	- MIY	1 (d)	.3 :	d0.3) - 1	viU(200	96	: 194.36)= 194.36
4. d	(7.8)4										21,04) = 21,04
5. d	(7.8)) s		= Min	(d:	1.5:	d8.5) = 1	лın (164	.65	:149.08) = 149.08
6. d	(7.8))6		=Min	(d7	.6:0	78.6)= 1	un (46.	60 ;	31.72)=31.72
7-d	(7.8)(9.	10)	=MI	n(d:	9.000	d 8.Co	10)=1	run (182	.40	166.00) = 166.08
8.2				: Mu	1 (d-	7.11 :	9	.11) .	MIN (150	.52	: 134.92)=134.92
9.0				· Min	(d7	.12	98.	(2) =	MIN	(51	9.13	: 42.53) = 42.53
											,	
		1	2	3	4	5	6	7.8	9.10	·tl	12	
*	1	0										
	2	28584	0						*			
	3		108.22	٥								20 (8)
	4		79.65		0			0				
	5		G3.06			0				25.0		i •9
	C		62.15				٥	9	(0			
			93,71					٥				
8 =			77.30						0			
	"	2425	54.01	69.68	126 07	12.98	106:41	134.92	37-85	0		
	[]											

Dipindai dengan CamScanner

```
This terkeal dari matrics adalah jarak 5 dan 4 mempunyai miai terkeal yaitu 17,983 kemudia bergabung menjadi 1 (luster p menghitung jarak antara cluster (5.11)

1. d(5.11), = min (d5, :d11) = min (86,226; 74,747) = 74,747

2.d(5.11), = min (d5, :d11) = min (63,056; 54,910) = 54,910

3.d(5.11), = min (d5, :d11) = min (63,056; 54,910) = 54,910

3.d(5.11), = min (d5, :d11) = min (138,852; 126,073) = 126,073

5.d(5.11), = min (d5, :d11) = min (119,561; 106,439) = 106,439

6.d(5.11), (7,8) = min (d5, :d16) = min (119,561; 106,439) = 106,439

6.d(5.11), (7,8) = min (d5, :d5,8); (d11, :d11) = (164:149,076),

(150,517:134,920) = 134,920

7.d(5.11), (9,10) =d(20,040:23,754),d(37,852:40.723) = 20.040

8.d.(5.11) = min d(106,700:92,393) = 92.393.
```

P	Crassic 4										
		1	2	3	4	5,11	6	7.8	9.10	12	3
8	, t	0					1			,	+3
	2	28.584	0				0.	21 11			
	3	132,003	108,217	0				7 -		2	
n.	4	53.313	79,656	184611	0				ň		
	5.11	74.747	54.glo	45,796	126 .073	0					
	6	35,175	62,156	165,248	19.881	106.439	0				
	7,8	66,549	93,240	194,359	21,039	134,926	31,722	.0			
	9.10	105358	77,298	26.081	185,511	20.640	136,640	166.883	0		
	12	27,261	54,834	121,828	37,380	92,393	18,372	42,530	124,812	0	1

Dipindai dengan CamScanner

```
1. d(6.12), = min d(35,175:27,261), = 27,261

2. d(6.12), = min d(62,50:54,839) = 54,839

3. d(6.12), = min d(165,248:151,858) = 151,858

4. d(6.12), = min d(19,881:37,38) = 79.881

5. d(6.12), (5.11) = min d(119,561:106,700), (106,439:92,393) = 92,393

6. d(6.12), (7,8) = min d(46,600:31,722), (58.128:42.530) = 31,722

7. d(6.12), (9.10) = min d(136,640:142,144), (124,812:129,953) = 124.812
```

			1	1	1	- 0	********	-	-			Anna Maria
		2	3	4.6.12	5.11	78	9.10			reaction of history or relative and the Albana	رو فرستون و وه همد ۱۰۰	ت را سعداد د د د
	0						income and a Program no. or		and the second second second second	and the second section of the second second second	te la live may origin to a constitut	
2	20.08							Company of the group of the subsequences.	and the same of the same of	an anna a margadhan de anna an anna de anna an		
3		108,21									apartic and and sectors	
			121.82	0						on the special property of the special property.		-
	man a count of the		and the state of the state of	92,39								
					139.07							
9.10	02,35	77,29	24,08	129,81	20,09	14.88	0				h. /-	7
-> Milai	te	recil	dar	Ma	fu ks	adala	h 4	14,12 da	n 7.8	Mempunyar	11101	terren
								cluster.				
										objet lain.		
The same of the sa								110 (27,26)				
2. d(a	14,12.	7.8)2	= Min	(9,4,	12.2	7.8.2) = 1	Nin (59,8	3 ; 93,74	1):54,83		
3. d(4.	6,12.	$7\delta)_3$	= Min	(4,6	12.3	7.8.	3)=1	Um (151,8	15; 194	1,35)= 151,	28.	
,												
		1	2		3	4,6,12	-17,8	5.11	9.10			
1		0										
2	2	82,5	0)								
3	1	32	168,	21	0						-	
46,12,7	8 2	27.24	59.	.83	151,85	(2					
5.4		4,79	54,	91	45,79	92	,39	0				
1.10		2,35	17,	29	26,08	6	35	20,04	0			
- Nila	-	rkecil	dar	i Ma	friks	adalo	1 4	,4,12,7,8	dan	1.10 Mem	punyai	hila
terten		1,35						nJadi 10				
	ghitu		Parak	anti	ara (Cluster	(4,	6,12,7,8.	9.10)	dengan c	obletla	un.
1. d (4)	10.12 . 7	1,8	9.10) =	Mn(4	14,147,	8.1	5.10	.1) = Mn(27,24		27,26	
2 (4	10121	1,8 0	1.10).	Mm (9,612,7	10.2	, al				54,63	
3 0 (4	(4,12,	7.8.0	.(0),	Min (9,4,12,	7.8.3	; 9.1	0.3) =Ma	1 (151,0	85; 24,08)	- 26,0	8
) ((13									
											5.1	in the state of t
												Para de la

	1	2	3	4,6,7.8,9,10,4	5.11	a proper representations	and the second section of the second
	0					1	was a second of the second of
2	28.58	0					and the second s
3	132	108.21	0				
4,67,8,9,10,12	27.24	54.83	24.08	0			
1.7	79,79	54.91	45.79	20,090	0		
-> Milai	terrec	d dan	Matrits	adalah	Jarar	9,4,7,8,9	, 10,12 dan s.11
Mempuna	yar nilo	i terke	20,0	9 kemudic	in bergo	ibung Mel	1 Jadi 1 Cluster.
> Meng	hitung .	Jarax ai	ntaia c	cluster (4,6	71819,10,	12.5	.11) dengan objec
1(4.4.7.8.9	1012. [1	$1)_{i} = Min$	(4.6,7,8,9,1	0,12.1 ;5	11 .1)=M	m(27,24)	, 74,74) = 27,26
1(4,6,7,8,	9,10,12.5	11/2 = MY	(4,4,7,0,0	1,1072.2 75	11.2) = N	lin (54.83	; 54,91)=59,83
							, 45,79)= 26,08
			·				
r							• • • • • • • • • • • • • • • • • • • •
		1	2	3	45,47,89	Morilis	
1	(0				1 KH 14	
2	28	58	O				
3	12	32	12,80)	٥			
45,4,7,8,913,4	12 27	,26	54,83	26,08	0		
Muai +	erkecil	chn Mo	itinks add	alah Jara	+ 3 day	95,6,7,0	19,10,11,12 Mempuny
nulai te		16,00 k	emudian	bergabung	menjac	1, 1 Cluster	
al-nahu	huna Ta	ITAL AN	Las Clu	orter (3	. 95.41	1,0,9,10,4,1	2) dergan objetla
d(3. 9.	- (.7.2.0.	12.11.12	min/ 2.1	; ac 1, 7.8	3-9,60,11,12	1) = Mn(132; 27,26 = 27,21
2 (2. 90	1617,89,1	0,4,12 /2	= Min(3.	2 ; 4,5.4;	7,8,9,10,11	12.2)=Ma	n(108,21; 59,85)=
1							
				2	3.4.5.6;	1.89.6.1.12	
<u> </u>		1					
		1					
1		0 28,58		0			
2 2 3 4 5 4 7 8	9.10.10.10	28,62		0		5	
2 3,4,5.4,7.8	,9,10,4,01,2						