

LAMPIRAN BAB III

1. Clustering 1 iterasi 1 (hal 20)

DATA	Derajat C1	Data yang Diklaster												$(\mu_1)^2$
	(μ_1)	Xi1	Xi2	Xi3	Xi4	Xi5	Xi6	Xi7	Xi8	Xi9	Xi10	Xi11	Xi12	
1	0.441	2.15	15.98	3.27	15	2.98	14.21	4.04	13.56	4.2	13.1	2.46	13.39	0.194481
2	0.5558	3.75	15.52	8.33	14	4.08	13.71	4.65	13.23	4.91	12.77	5.02	12.91	0.30891364
3	0.1562	3.17	13.98	3.16	13	4.6	12.4	2.01	12.14	2.83	11.75	2.6	11.52	0.02439844
4	0.461	3.92	11.25	6.06	11	3.41	9.97	4.65	9.61	7.17	9.29	2.55	9.17	0.212521
5	0.4268	2.02	25.22	2.8	24	1.92	22.22	3.3	21.21	1.47	20.44	2.51	20.82	0.18215824
6	0.0959	4.84	12.23	6.79	11	3.35	10.71	3.16	10.99	3.81	10.56	4.05	10.57	0.00919681
7	0.3291	3.29	18.78	5.7	18	3.42	16.66	5.81	16.02	3.21	15.48	5.01	15.71	0.10830681
8	0.0196	1.77	32.47	2.13	30	1.71	27.97	4.68	27.08	2.22	25.8	2.51	25.69	0.00038416
9	0.3114	8.68	5.9	9.74	5.5	7.96	5.21	7.73	4.87	7.22	4.8	7.28	4.6	0.09696996
10	0.3218	6.84	7.07	7.81	6.6	5.27	6.25	5.32	6	5.82	5.79	7.01	5.82	0.10355524
Total														1.2408853
Pusat Klaster 1.1 (C-1.1)														

$(\mu_1)^2 \times Xi1$	$(\mu_1)^2 \times Xi2$	$(\mu_1)^2 \times Xi3$	$(\mu_1)^2 \times Xi4$	$(\mu_1)^2 \times Xi5$	$(\mu_1)^2 \times Xi6$
0.41813415	3.10780638	0.63595287	2.8977669	0.57955338	2.76357501
1.15842615	4.794339693	2.573250621	4.448356416	1.260367651	4.235206004
0.077343055	0.341090191	0.07709907	0.31717972	0.112232824	0.302540656
0.83308232	2.39086125	1.28787726	2.2314705	0.72469661	2.11883437
0.367959645	4.594030813	0.510043072	4.28071864	0.349743821	4.047556093
0.04451256	0.112476986	0.06244634	0.104843634	0.030809314	0.098497835
0.356329405	2.034001892	0.617348817	1.895369175	0.37040929	1.804391455
0.000679963	0.012473675	0.000818261	0.011601632	0.000656914	0.010744955
0.841699253	0.572122764	0.94448741	0.53333478	0.771880882	0.505213492
0.708317842	0.732135547	0.808766424	0.683464584	0.545736115	0.64722025
4.806484343	18.69133919	7.518090146	17.40410598	4.7460868	16.53378012
3.873431608	15.06290645	6.058650341	14.02555577	3.824758662	13.32418082

$(\mu_1)^2 \times X_{i7}$	$(\mu_1)^2 \times X_{i8}$	$(\mu_1)^2 \times X_{i9}$	$(\mu_1)^2 \times X_{i10}$	$(\mu_1)^2 \times X_{i11}$	$(\mu_1)^2 \times X_{i12}$
0.78570324	2.63716236	0.8168202	2.5477011	0.47842326	2.60410059
1.00396933	4.086927457	1.516765972	3.944827183	1.550746473	3.988075092
0.098569698	0.296197062	0.069047585	0.28668167	0.063435944	0.281070029
0.57593191	2.04232681	1.52377557	1.97432009	0.54192855	1.94881757
0.663055994	3.86357627	0.267772613	3.723314426	0.457217182	3.792534557
0.042765167	0.101072942	0.035039846	0.097118314	0.037247081	0.097210282
0.559946208	1.735075096	0.34766486	1.676589419	0.542617118	1.701499985
0.000772162	0.010403053	0.000852835	0.009911328	0.000964242	0.00986907
0.382061642	0.472243705	0.700123111	0.465455808	0.705941309	0.446061816
0.481531866	0.62133144	0.602691497	0.59958484	0.725922232	0.602691497
4.594307215	15.8663162	5.88055409	15.32550418	5.104443391	15.47193049
3.702443099	12.7862875	4.738998915	12.35045993	4.11354973	12.46846142

2. Clustering 2 iterasi 1 (hal 20)

DATA	Derajat C2	Data yang Diklaster												$(\mu_2)^2$
	(μ_2)	X_{i1}	X_{i2}	X_{i3}	X_{i4}	X_{i5}	X_{i6}	X_{i7}	X_{i8}	X_{i9}	X_{i10}	X_{i11}	X_{i12}	
1	0.4903	2.15	15.98	3.27	15	2.98	14.21	4.04	13.56	4.2	13.1	2.46	13.39	0.24039409
2	0.3848	3.75	15.52	8.33	14	4.08	13.71	4.65	13.23	4.91	12.77	5.02	12.91	0.14807104
3	0.3067	3.17	13.98	3.16	13	4.6	12.4	2.01	12.14	2.83	11.75	2.6	11.52	0.09406489
4	0.0753	3.92	11.25	6.06	11	3.41	9.97	4.65	9.61	7.17	9.29	2.55	9.17	0.00567009
5	0.2164	2.02	25.22	2.8	24	1.92	22.22	3.3	21.21	1.47	20.44	2.51	20.82	0.04682896
6	0.2851	4.84	12.23	6.79	11	3.35	10.71	3.16	10.99	3.81	10.56	4.05	10.57	0.08128201
7	0.3986	3.29	18.78	5.7	18	3.42	16.66	5.81	16.02	3.21	15.48	5.01	15.71	0.15888196
8	0.4669	1.77	32.47	2.13	30	1.71	27.97	4.68	27.08	2.22	25.8	2.51	25.69	0.21799561
9	0.3476	8.68	5.9	9.74	5.5	7.96	5.21	7.73	4.87	7.22	4.8	7.28	4.6	0.12082576
10	0.5378	6.84	7.07	7.81	6.6	5.27	6.25	5.32	6	5.82	5.79	7.01	5.82	0.28922884
Total														1.40324325
Pusat Klaster 1.2 (C-1.2)														

$(\mu_2)^2 \times X_{i1}$	$(\mu_2)^2 \times X_{i2}$	$(\mu_2)^2 \times X_{i3}$	$(\mu_2)^2 \times X_{i4}$	$(\mu_2)^2 \times X_{i5}$	$(\mu_2)^2 \times X_{i6}$
0.516847294	3.841497558	0.786088674	3.581871941	0.716374388	3.416000019
0.5552664	2.298062541	1.233431763	2.132222976	0.604129843	2.030053958
0.298185701	1.315027162	0.297245052	1.22284357	0.432698494	1.166404636
0.022226753	0.063788513	0.034360745	0.059535945	0.019335007	0.056530797
0.094594499	1.181026371	0.131121088	1.10048056	0.089911603	1.040539491
0.393404928	0.994078982	0.551904848	0.926614914	0.272294734	0.870530327
0.522721648	2.983803209	0.905627172	2.7804343	0.543376303	2.646973454
0.38585223	7.078317457	0.464330649	6.583467422	0.372772493	6.097337212
1.048767597	0.712871984	1.176842902	0.66454168	0.96177305	0.62950221
1.978325266	2.044847899	2.25887724	1.908910344	1.524235987	1.80768025
5.816192316	22.51332168	7.839830135	20.96092365	5.536901902	19.76155235
4.14482116	16.04377693	5.586935932	14.93748404	3.945789087	14.08277029

$(\mu_2)^2 \times X_{i7}$	$(\mu_2)^2 \times X_{i8}$	$(\mu_2)^2 \times X_{i9}$	$(\mu_2)^2 \times X_{i10}$	$(\mu_2)^2 \times X_{i11}$	$(\mu_2)^2 \times X_{i12}$
0.971192124	3.25974386	1.009655178	3.149162579	0.591369461	3.218876865
1.00396933	1.958979859	0.727028806	1.890867181	0.743316621	1.911597126
0.098569698	1.141947765	0.266203639	1.105262458	0.244568714	1.083627533
0.57593191	0.054489565	0.040654545	0.052675136	0.01445873	0.051994725
0.663055994	0.993242242	0.068838571	0.957183942	0.11754069	0.974978947
0.042765167	0.89328929	0.309684458	0.858338026	0.329192141	0.859150846
0.559946208	2.545288999	0.510011092	2.459492741	0.79599862	2.496035592
0.000772162	5.903321119	0.483950254	5.624286738	0.547168981	5.600307221
0.382061642	0.588421451	0.872361987	0.579963648	0.879611533	0.555798496
0.481531866	1.73537304	1.683311849	1.674634984	2.027494168	1.683311849
4.779796099	19.07409719	5.97170038	18.35186743	6.290719658	18.4356792
3.40624913	13.59286581	4.255641621	13.07817973	4.482985867	13.13790692

3. Clustering 3 iterasi 1 (hal 20)

DATA	Derajat C3	Data yang Diklaster												$(\mu_3)^2$
	(μ_3)	Xi1	Xi2	Xi3	Xi4	Xi5	Xi6	Xi7	Xi8	Xi9	Xi10	Xi11	Xi12	

1	0.0687	2.15	15.98	3.27	15	2.98	14.21	4.04	13.56	4.2	13.1	2.46	13.39	0.00471969
2	0.0594	3.75	15.52	8.33	14	4.08	13.71	4.65	13.23	4.91	12.77	5.02	12.91	0.00352836
3	0.5371	3.17	13.98	3.16	13	4.6	12.4	2.01	12.14	2.83	11.75	2.6	11.52	0.28847641
4	0.4637	3.92	11.25	6.06	11	3.41	9.97	4.65	9.61	7.17	9.29	2.55	9.17	0.21501769
5	0.3568	2.02	25.22	2.8	24	1.92	22.22	3.3	21.21	1.47	20.44	2.51	20.82	0.12730624
6	0.619	4.84	12.23	6.79	11	3.35	10.71	3.16	10.99	3.81	10.56	4.05	10.57	0.383161
7	0.2724	3.29	18.78	5.7	18	3.42	16.66	5.81	16.02	3.21	15.48	5.01	15.71	0.07420176
8	0.5135	1.77	32.47	2.13	30	1.71	27.97	4.68	27.08	2.22	25.8	2.51	25.69	0.26368225
9	0.3409	8.68	5.9	9.74	5.5	7.96	5.21	7.73	4.87	7.22	4.8	7.28	4.6	0.11621281
10	0.1404	6.84	7.07	7.81	6.6	5.27	6.25	5.32	6	5.82	5.79	7.01	5.82	0.01971216
Total														1.49601837
Pusat Klaster 1.3 (C-1.3)														

$(\mu_3)^2 \times X_{i1}$	$(\mu_3)^2 \times X_{i2}$	$(\mu_3)^2 \times X_{i3}$	$(\mu_3)^2 \times X_{i4}$	$(\mu_3)^2 \times X_{i5}$	$(\mu_3)^2 \times X_{i6}$
0.010147334	0.075420646	0.015433386	0.070323381	0.014064676	0.067066795
0.01323135	0.054760147	0.029391239	0.050808384	0.014395709	0.048373816
0.91447022	4.032900212	0.911585456	3.75019333	1.326991486	3.577107484
0.842869345	2.418949013	1.303007201	2.257685745	0.733210323	2.143726369
0.257158605	3.210663373	0.356457472	2.99169664	0.244427981	2.828744653
1.85449924	4.68605903	2.60166319	4.3680354	1.28358935	4.10365431
0.24412379	1.393509053	0.422950032	1.2985308	0.253770019	1.236201322
0.466717583	8.561762658	0.561643193	7.96320395	0.450896648	7.375192533
1.008727191	0.685655579	1.131912769	0.639170455	0.925053968	0.60546874
0.134831174	0.139364971	0.15395197	0.130100256	0.103883083	0.123201
5.746775831	25.25904468	7.487995908	23.51974834	5.350283242	22.10873702
3.841380525	16.88418083	5.005283396	15.72156386	3.576348626	14.77838606

$(\mu_3)^2 \times X_{i7}$	$(\mu_3)^2 \times X_{i8}$	$(\mu_3)^2 \times X_{i9}$	$(\mu_3)^2 \times X_{i10}$	$(\mu_3)^2 \times X_{i11}$	$(\mu_3)^2 \times X_{i12}$
0.019067548	0.063998996	0.019822698	0.061827939	0.011610437	0.063196649
1.00396933	0.046680203	0.017324248	0.045057157	0.017712367	0.045551128
0.098569698	3.502103617	0.81638824	3.389597818	0.750038666	3.323248243
0.57593191	2.066320001	1.541676837	1.99751434	0.54829511	1.971712217
0.663055994	2.70016535	0.187140173	2.602139546	0.319538662	2.650515917
0.042765167	4.21093939	1.45984341	4.04618016	1.55180205	4.05001177
0.559946208	1.188712195	0.23818765	1.148643245	0.371750818	1.16570965

0.000772162	7.14051533	0.585374595	6.80300205	0.661842448	6.773997003
0.382061642	0.565956385	0.839056488	0.557821488	0.846029257	0.534578926
0.481531866	0.11827296	0.114724771	0.114133406	0.138182242	0.114724771
3.827671523	21.60366443	5.81953911	20.76591715	5.216802056	20.69324627
2.558572541	14.44077483	3.890018483	13.88079021	3.48712433	13.83221402

4. Pusat cluster pada iterasi pertama (hal 20)

C 1.1	3.873431608	15.06290645	6.058650341	14.02555577	3.824758662	13.32418082
C 1.2	4.14482116	16.04377693	5.586935932	14.93748404	3.945789087	14.08277029
C 1.3	3.841380525	16.88418083	5.005283396	15.72156386	3.576348626	14.77838606

3.702443099	12.7862875	4.738998915	12.35045993	4.11354973	12.46846142
3.40624913	13.59286581	4.255641621	13.07817973	4.482985867	13.13790692
2.558572541	14.44077483	3.890018483	13.88079021	3.48712433	13.83221402

5. Hasil (hal 26)

No	Kab/Kota	TPT 2010	TK 2010	TPT 2011	TK 2011	TPT 2012	TK 2012	TPT 2013	TK 2013
1	Kab. Trenggalek	2.15	15.98	3.27	14.9	2.98	14.21	4.04	13.56
2	Kab. Kediri	3.75	15.52	8.33	14.4	4.08	13.71	4.65	13.23
3	Kab. Lumajang	3.17	13.98	3.16	13	4.6	12.4	2.01	12.14
4	Kab. Banyuwangi	3.92	11.25	6.06	10.5	3.41	9.97	4.65	9.61
5	Kab. Probolinggo	2.02	25.22	2.8	23.5	1.92	22.22	3.3	21.21
6	Kab. Mojokerto	4.84	12.23	6.79	11.4	3.35	10.71	3.16	10.99
7	Kab. Bojonegoro	3.29	18.78	5.7	17.5	3.42	16.66	5.81	16.02
8	Kab. Sampang	1.77	32.47	2.13	30.2	1.71	27.97	4.68	27.08
9	Kota Malang	8.68	5.9	9.74	5.5	7.96	5.21	7.73	4.87
10	Kota Surabaya	6.84	7.07	7.81	6.6	5.27	6.25	5.32	6

TPT 2014	TK 2014	TPT 2015	TK 2015	μ_1	μ_2	μ_3	C1	C2	C3
4.2	13.1	2.46	13.39	0	1	0		OK	
4.91	12.77	5.02	12.91	0	0	1			OK
2.83	11.75	2.6	11.52	0	0	1			OK
7.17	9.29	2.55	9.17	2.80145E-42	0	1			OK
1.47	20.44	2.51	20.82	1	0	0	OK		
3.81	10.56	4.05	10.57	0	0	1			OK
3.21	15.48	5.01	15.71	0	1	0		OK	
2.22	25.8	2.51	25.69	0	0	1			OK
7.22	4.8	7.28	4.6	0	1	3.235E-139		OK	
5.82	5.79	7.01	5.82	0	1	0		OK	

