



PT LENKO SURYA PERKASA

Laporan Pengelompokan Produk PT. Lenko Surya Perkasa Sidoarjo Tahun 2018

Dibuat Oleh: lenkoadmin

5

Tahun 2018

Hasil Pengelompokan Data Produk

Berikut adalah Medoid dan Hasil Pengelompokan Data Produk PT. Lenko Surya Perkasa pada Tahun 2018

Tabel Medoid Data Produk

Karakteristik produk dapat dilihat dari karakteristik medoid tiap cluster.

Produk	Produk Rusak	TOR	WSP	Cluster
Mkp Nelico 60 ml	4	0.0	0.0	0
Nasa Napkin e-xtra 30's	59	0.003663003663003663	99645.0	1
OBH Jahe 55 ml	54	5.6	65.17857142857143	2
Flukol X-tra box	1400	0.0	0.0	3
OBH Anak Sachet	1410	0.01411764705882353	25854.166666666664	4

Tabel Hasil Pengelompokan Produk

Produk yang telah dikelompokkan dapat dilihat pada tabel dibawah. Tabel telah diurutkan berdasarkan cluster.

Produk	Produk Rusak	TOR	WSP	Cluster
Dermol	0	0.0	0.0	0
Monalisa Maternity	0	2.2615384615384615	161.39455782312925	0
Roll Tanpa Kor Polos @ 10	0	0.0	0.0	0
Rh.Balsem Sereh 15 gr	0	0.0	0.0	0
Rh. Aromatherapy	24	0.0	0.0	0
Rh. Minyak Angin Putih roll on	49	0.43037974683544306	848.0882352941176	0
Rod Lotion 100 ml	0	0.0	0.0	0
Rod Lotion 60 ml	13	0.0	0.0	0
Rod Powder 60 gr	25	0.4700854700854701	776.4545454545455	0
Rod Powder 100 gr (1C=144	14	1.3725490196078431	265.92857142857144	0
Rod Powder Nat 60 gr	61	0.3163265306122449	1153.8709677419354	0
Rod Powder Nat 100 gr	77	0.5643564356435643	646.7543859649123	0
IPS 104	77	0.0	0.0	0
Salicyl Mentol 90 gr @ 6 ls	0	2.0	182.5	0
Salicyl Non Mentol 90 gr	42	0.13333333333333333	2737.5	0
Salicyl Cool n Fresh	33	0.14067278287461774	2594.6739130434785	0
Salicyl genesis 60 gr@ 18 ls	9	2.4	152.08333333333334	0
Dinner Napkin	0	0.0	0.0	0
Facial polos small	0	0.0	0.0	0
Facial Travel Pack 50's	0	1.6637703060068	219.38124432334243	0
Facial Travel Pack Mini	5	2.472560975609756	147.62022194821208	0
IPB 101 @36	0	0.0	0.0	0
IPB 102 @72	0	2.221317040054311	164.3169315403423	0
IPM 104 @36	17	0.0	0.0	0
IPN 104 @36	0	2.148550724637681	169.88195615514334	0
IPN 110 @36	36	1.5368421052631578	237.50000000000003	0
IPS 102 @36	0	0.2878787878787879	1267.8947368421052	0
IPS 110 @36	32	2.515769944341373	145.08480825958702	0
Monalisa Special 8	0	0.0	0.0	0
Monalisa Plus 6	0	0.0	0.0	0
Rh.Classic 15 gr	19	0.0	0.0	0

Produk	Produk Rusak	TOR	WSP	Cluster
Rh. Minyak Gosok 60 ml	0	0.0	0.0	0
Rh.Classic 18 gr (kaca)	76	0.0	0.0	0
Sunbrite sabut cuci	0	0.1480973603016798	2464.5949074074074	0
OBH Anak Straw 100 ml	153	0.5591397849462365	652.7884615384615	0
IPB 103	0	0.0	0.0	0
OBH Anak Orange 100 ml	237	0.20924574209245742	1744.360465116279	0
Lauramox	60	0.5	730.0	0
IPA 105	67	1.0037037037037038	363.6531365313653	0
Dermol	0	0.013422818791946308	27192.5	0
IPA 110	0	0.0	0.0	0
IPA 103	54	0.0	0.0	0
Minyak kayu putih 30 ml	0	0.0	0.0	0
Minyak kayu putih 60 ml	0	0.0	0.0	0
Minyak Telon 30 ml	0	0.0	0.0	0
Minyak Telon 60 ml	0	0.0	0.0	0
Nellcoplus 100 ml	79	1.5856777493606138	230.18548387096774	0
Rh. Minyak Gosok 30 ml	0	0.0	0.0	0
Nellcoplus 55 ml	3	2.0397350993377485	178.94480519480518	0
Monalisa Plus 12	0	0.0	0.0	0
O B H Berdahak 55 ml	112	2.6149732620320854	139.58077709611453	0
Rh. Green balm I	8	0.5627836611195158	648.5618279569893	0
OBH sachet 7.5 ml 25'	43	1.688388625592417	216.1824561403509	0
Sunbrite Spon	0	0.040387042490534285	9037.552083333334	0
OBH anak 55 ml	241	1.3480662983425415	270.75819672131144	0
OBH anak 30 ml	9	0.0	0.0	0
OBH anak 100 ml	301	0.1645021645021645	2218.815789473684	0
Mkp Nellco 60 ml	4	0.0	0.0	0
OBH Berdahak 100 ml	123	0.4227005870841487	863.4953703703704	0
OBH 30 ml	22	0.0	0.0	0
Minyak Telon Nellco 60 ml	0	0.0	0.0	0
Minyak Telon Nellco 30 ml	0	0.0	0.0	0
IPA 108	0	0.0	0.0	0
IPA 111	0	0.0	0.0	0
Mkp Nellco 30 ml	71	0.0	0.0	0
Nasa Napkin e-xtra 30's	59	0.003663003663003663	99645.0	1
Nasa Roll	207	6.075742600010404	60.07496104251931	2
Nasa Napkin	190	8.202055685662243	44.50103900636094	2

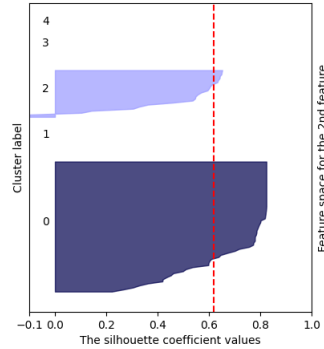
Produk	Produk Rusak	TOR	WSP	Cluster
Roll Tanpa Kor @ 20	0	5.6242711370262395	64.89729799779693	2
PHB 54	23	4.25204117855875	85.84112539656037	2
OBH Anak Straw 55 ml	10	7.014409221902017	52.03574363188168	2
Martell lembaran 1/2 kg	19	4.842105263157895	75.3804347826087	2
OBH Anak Orange 55 ml	8	5.160762942779291	70.72597676874341	2
Dexanel	3	3.9393939393939394	92.65384615384615	2
Kalk tab 30'	12	8.100418410041842	45.05940082644628	2
OBH Spc Jahe 100 ml	85	4.805194805194805	75.95945945945945	2
OBH Madu 100 ml	146	3.953846153846154	92.31517509727627	2
OBH Jahe 55 ml	54	5.6	65.17857142857143	2
OBH Madu 55 ml	64	7.160975609756098	50.97070844686648	2
Monalisa Jumbo	0	5.827956989247312	62.62915129151291	2
OBH 100 ml	10	5.470528455284553	66.72115920490432	2
Rh. Inhaler	6	2.9283018867924526	124.64561855670104	2
Rh. White cream 18 gr	157	7.413037627173386	49.23757551992564	2
Salicyl Non Mentol 60 gr	38	3.369341563786008	108.32977099236642	2
Aloha Ecopack 56's	38	7.292748433303491	50.049717652835746	2
Facial polos large	17	3.8115942028985508	95.76045627376426	2
IPA 102 @72	35	3.2954545454545454	110.75862068965517	2
Martell lembaran 1 kg	0	9.297297297297296	39.25872093023256	2
OBH 55 ml	9	8.454406520631686	43.17275247047481	2
Salicyl menthol 60 gr@ 18 ls	30	2.9143101970865466	125.2440458688621	2
Flukol X-tra box	1400	0.0	0.0	3
OBH Anak Sachet	1410	0.01411764705882353	25854.166666666664	4

Visualisasi Silhouette Score Data Produk

Silhouette Score :
0.6186627635060363

Silhouette analysis for KMeans clustering on sample data with n_clusters = 5

The silhouette plot for the various clusters.



The visualization of the clustered data.

