



**PT LENKO SURYA PERKASA**

## Laporan Pengelompokan Produk PT. Lenko Surya Perkasa Sidoarjo Tahun 2018

Dibuat Oleh: ara

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	Kuantitas Terjual	Jumlah Transaksi	Produk Rusak	TOR	WSP	Cluster
Mkp Nellco 60 ml	0	0	4	0.0	0.0	0
Martell lembaran 1/2 kg	782	6331222	19	4.842105263157895	75.3804347826087	1
Nasa Napkin	126082	258288134	190	8.202055685662243	44.50103900636094	2
Flukol X-tra box	0	0	1400	0.0	0.0	3
Nasa Napkin e-xtra 30's	1	1451	59	0.003663003663003663	99645.0	4

# Tabel Hasil Pengelompokan Produk

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

Produk	Kuantitas Terjual	Jumlah Transaksi	Produk Rusak	TOR	WSP	Cluster
IPS 104	0	0	77	0.0	0.0	0
Rh.Classic 18 gr (kaca)	0	0	76	0.0	0.0	0
Rh.Balsem Sereh 15 gr	0	0	0	0.0	0.0	0
Rh. Aromatherapy	0	0	24	0.0	0.0	0
Rh. Minyak Angin Putih roll on	17	147020	49	0.43037974683544306	848.0882352941176	0
Rod Lotion 100 ml	0	0	0	0.0	0.0	0
Rod Lotion 60 ml	0	0	13	0.0	0.0	0
Rod Powder 60 gr	110	739913	25	0.4700854700854701	776.4545454545455	0
Rod Powder 100 gr ( 1C=144	140	1246459	14	1.3725490196078431	265.92857142857144	0
Rod Powder Nat 60 gr	62	345454	61	0.3163265306122449	1153.8709677419354	0
Rod Powder Nat 100 gr	57	415336	77	0.5643564356435643	646.7543859649123	0
IPB 103	0	0	0	0.0	0.0	0
Salicyl Mentol 90 gr @ 6 ls	9	45344	0	2.0	182.5	0
Salicyl Non Mentol 90 gr	3	15115	42	0.13333333333333333	2737.5	0
Rh.Classic 15 gr	0	0	19	0.0	0.0	0
Salicyl Cool n Fresh	23	87876	33	0.14067278287461774	2594.6739130434785	0
Monalisa Special 8	0	0	0	0.0	0.0	0
Dinner Napkin	0	0	0	0.0	0.0	0
Monalisa Plus 6	0	0	0	0.0	0.0	0
Facial polos small	0	0	0	0.0	0.0	0
Facial Travel Pack 50's	2202	4496736	0	1.6637703060068	219.38124432334243	0
Monalisa Plus 12	0	0	0	0.0	0.0	0
Monalisa Maternity	147	1709283	0	2.2615384615384615	161.39455782312925	0
IPB 101 @36	0	0	0	0.0	0.0	0
IPB 102 @72	1636	6756704	0	2.221317040054311	164.3169315403423	0
IPM 104 @36	0	0	17	0.0	0.0	0
IPN 104 @36	593	3920279	0	2.148550724637681	169.88195615514334	0
IPN 110 @36	511	3362661	36	1.5368421052631578	237.50000000000003	0
IPS 102 @36	114	836916	0	0.2878787878787879	1267.8947368421052	0
Salicyl genesis 60 gr@ 18 ls	306	1160274	9	2.4	152.08333333333334	0
Rh. Minyak Gosok 30 ml	0	0	0	0.0	0.0	0

Produk	Kuantitas Terjual	Jumlah Transaksi	Produk Rusak	TOR	WSP	Cluster
Rh. Minyak Gosok 60 ml	0	0	0	0.0	0.0	0
IPA 108	0	0	0	0.0	0.0	0
Dermol	4	11774	0	0.013422818791946308	27192.5	0
IPA 103	0	0	54	0.0	0.0	0
IPA 111	0	0	0	0.0	0.0	0
Minyak kayu putih 30 ml	0	0	0	0.0	0.0	0
Minyak kayu putih 60 ml	0	0	0	0.0	0.0	0
Minyak Telon 30 ml	0	0	0	0.0	0.0	0
Minyak Telon 60 ml	0	0	0	0.0	0.0	0
Nellcoplus 100 ml	310	4675349	79	1.5856777493606138	230.18548387096774	0
Nellcoplus 55 ml	462	4998249	3	2.0397350993377485	178.94480519480518	0
OBH Berdahak 100 ml	324	3326533	123	0.4227005870841487	863.4953703703704	0
OBH Anak Orange 100 ml	43	643364	237	0.20924574209245742	1744.360465116279	0
IPA 105	271	1994667	67	1.0037037037037038	363.6531365313653	0
IPA 110	0	0	0	0.0	0.0	0
Minyak Telon Nellco 30 ml	0	0	0	0.0	0.0	0
Mkp Nellco 30 ml	0	0	71	0.0	0.0	0
Mkp Nellco 60 ml	0	0	4	0.0	0.0	0
Sunbrite Spon	48	143180	0	0.040387042490534285	9037.552083333334	0
OBH 30 ml	0	0	22	0.0	0.0	0
Sunbrite sabut cuci	432	741123	0	0.1480973603016798	2464.5949074074074	0
OBH anak 100 ml	19	268628	301	0.1645021645021645	2218.815789473684	0
OBH anak 30 ml	0	0	9	0.0	0.0	0
OBH anak 55 ml	244	2995676	241	1.3480662983425415	270.75819672131144	0
Roll Tanpa Kor Polos @ 10	0	0	0	0.0	0.0	0
OBH Anak Straw 100 ml	104	1548301	153	0.5591397849462365	652.7884615384615	0
OBH sachet 7.5 ml 25'	1425	1494387	43	1.688388625592417	216.1824561403509	0
Rh. Green balm I	186	1212345	8	0.5627836611195158	648.5618279569893	0
Minyak Telon Nellco 60 ml	0	0	0	0.0	0.0	0
Lauramox	20	85000	60	0.5	730.0	0
Monalisa Jumbo	271	7010019	0	5.827956989247312	62.62915129151291	1
Nasa Roll	58397	104679667	207	6.075742600010404	60.07496104251931	1
PHB 54	5989	17554454	23	4.25204117855875	85.84112539656037	1
Roll Tanpa Kor @ 20	15433	156553660	0	5.6242711370262395	64.89729799779693	1
Martell lembaran 1/2 kg	782	6331222	19	4.842105263157895	75.3804347826087	1
OBH Anak Straw 55 ml	1217	14801720	10	7.014409221902017	52.03574363188168	1
IPS 110 @36	678	5018089	32	2.515769944341373	145.08480825958702	1

Produk	Kuantitas Terjual	Jumlah Transaksi	Produk Rusak	TOR	WSP	Cluster
OBH Anak Orange 55 ml	947	11488466	8	5.160762942779291	70.72597676874341	1
Dexanel	390	1365000	3	3.9393939393939394	92.65384615384615	1
Kalk tab 30'	968	8807978	12	8.100418410041842	45.05940082644628	1
O B H Berdahak 55 ml	489	3728328	112	2.6149732620320854	139.58077709611453	1
OBH Spc Jahe 100 ml	555	10966966	85	4.805194805194805	75.95945945945945	1
OBH Madu 100 ml	514	10203621	146	3.953846153846154	92.31517509727627	1
OBH Jahe 55 ml	686	9722259	54	5.6	65.17857142857143	1
OBH Madu 55 ml	734	10489636	64	7.160975609756098	50.97070844686648	1
OBH 100 ml	21532	544148558	10	5.470528455284553	66.72115920490432	1
Martell lembaran 1 kg	1720	30355234	0	9.297297297297296	39.25872093023256	1
OBH 55 ml	24894	454319008	9	8.454406520631686	43.17275247047481	1
Rh. Inhaler	388	2708217	6	2.9283018867924526	124.64561855670104	1
Salicyl Non Mentol 60 gr	3275	13711345	38	3.369341563786008	108.32977099236642	1
Aloha Ecopack 56's	4073	33365078	38	7.292748433303491	50.049717652835746	1
Facial polos large	263	3406837	17	3.8115942028985508	95.76045627376426	1
Facial Travel Pack Mini	811	4209611	5	2.472560975609756	147.62022194821208	1
IPA 102 @72	1885	7821922	35	3.2954545454545454	110.75862068965517	1
Salicyl menthol 60 gr@ 18 ls	3401	14342948	30	2.9143101970865466	125.2440458688621	1
Rh.White cream 18 gr	68856	382755522	157	7.413037627173386	49.23757551992564	2
Nasa Napkin	126082	258288134	190	8.202055685662243	44.50103900636094	2
Flukol X-tra box	0	0	1400	0.0	0.0	3
OBH Anak Sachet	30	33858	1410	0.01411764705882353	25854.166666666664	3
Nasa Napkin e-xtra 30's	1	1451	59	0.003663003663003663	99645.0	4

# Visualisasi Silhouette Score Data Produk

Silhouette Score :  
0.5470382425824184

