



**PT LENKO SURYA PERKASA**

## Laporan Pengelompokan Produk PT. Lenko Surya Perkasa Sidoarjo Tahun 2020

Dibuat Oleh: lenkoadmin

Nilai k: 5

Nama List Data: Tahun 2020

### Hasil Pengelompokan Data Produk

Berikut adalah Medoid dan Hasil Pengelompokan Data Produk PT. Lenko Surya Perkasa pada Tahun 2020

produk_rusak	tor	wsp	cluster
0			
0.0			
0.12916770230134175			
347.7666113326574			
0.0			

### Tabel Medoid Data Produk

Karakteristik produk dapat dilihat dari karakteristik medoid tiap cluster.

Produk	Produk Rusak	TOR	WSP	Cluster
Rod Powder Nat 100 gr	0	0.0	0.0	0
Sunbrite sabut cuci	0	0.0019421246844047388	109158.8	1
Rh.White cream 18 gr	0	1.7247746878703525	122.91460530520934	2
Rod Powder 100 gr ( 1C=144	0	0.00468384074941452	45262.0	3
Roll Tanpa Kor @ 20	0	5.949740725967292	35.63180477339769	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
IPS 104	0	0.0	0.0	0
Rh.Classic 18 gr (kaca)	0	0.0	0.0	0
Nasa Napkin e-xtra 30's	0	0.0	0.0	0
Rh.Balsem Sereh 15 gr	0	0.0	0.0	0
Rh. Aromatherapy	0	0.1835564053537285	1154.9583333333333	0
Rh. Minyak Angin Putih roll on	0	0.0	0.0	0
Rod Lotion 100 ml	0	0.0	0.0	0
Nasa Napkin	0	0.6607373868046572	320.85364659813996	0
Rod Powder 60 gr	0	0.08137044967880086	2605.3684210526317	0
Monalisa Special 8	0	0.0	0.0	0
Rod Powder Nat 60 gr	0	0.0	0.0	0
Rod Powder Nat 100 gr	0	0.0	0.0	0
IPB 103	0	0.0	0.0	0
Salicyl Mentol 90 gr @ 6 ls	0	0.0	0.0	0
Rh.Classic 15 gr	0	0.0	0.0	0
Monalisa Plus 6	0	0.0	0.0	0
Salicyl Cool n Fresh	0	0.27848101265822783	761.2727272727274	0
Salicyl genesis 60 gr @ 18 ls	0	0.7106598984771574	298.3142857142857	0
Monalisa Plus 12	0	0.0	0.0	0
Dinner Napkin	0	0.0	0.0	0
Facial polos small	0	0.748829953198128	283.10833333333335	0
Facial Travel Pack 50's	0	0.34427327528466173	615.7898832684825	0
Facial Travel Pack Mini	0	0.26277372262773724	806.7777777777777	0
IPA 102 @72	0	0.0	0.0	0
IPB 101 @36	0	0.0	0.0	0
IPB 102 @72	0	0.0	0.0	0
IPM 104 @36	0	0.031088082901554404	6819.333333333333	0
IPN 110 @36	0	0.7772020725388601	272.7733333333333	0
IPS 102 @36	0	0.0	0.0	0
Salicyl Non Mentol 90 gr	0	0.0	0.0	0
IPS 110 @36	0	0.08	2650.0	0

Produk	Produk Rusak	TOR	WSP	Cluster
Rh. Minyak Gosok 60 ml	0	0.0	0.0	0
Rh. Inhaler	0	0.6640776699029126	319.2397660818713	0
IPA 105	0	0.0	0.0	0
IPA 110	0	0.0	0.0	0
OBH Anak Orange 100 ml	0	0.1575492341356674	1345.6111111111111	0
IPA 103	0	0.0	0.0	0
Dexanel	0	0.4369747899159664	485.15384615384613	0
Dermol	0	0.3991130820399113	531.1777777777778	0
Flukol X-tra box	0	0.0	0.0	0
IPA 111	0	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
IPA 108	0	0.0	0.0	0
Rh. Minyak Gosok 30 ml	0	0.0	0.0	0
Minyak Telon Nellco 30 ml	0	0.0	0.0	0
Mkp Nellco 30 ml	0	0.0	0.0	0
Mkp Nellco 60 ml	0	0.0	0.0	0
Sunbrite Spon	0	0.0	0.0	0
Roll Tanpa Kor Polos @ 10	0	0.6	353.3333333333337	0
Rh. Green balm I	0	0.2756052141527002	769.2162162162163	0
PHB 54	0	0.37924528301886795	559.0049751243781	0
OBH 30 ml	0	0.0	0.0	0
Minyak Telon Nellco 60 ml	0	0.0	0.0	0
OBH anak 100 ml	0	0.0	0.0	0
OBH anak 30 ml	0	0.0	0.0	0
OBH anak 55 ml	0	0.8076923076923077	262.4761904761905	0
OBH Anak Sachet	0	0.0	0.0	0
OBH sachet 7.5 ml 25'	0	0.0	0.0	0
Sunbrite sabut cuci	0	0.0019421246844047388	109158.8	1
Nasa Roll	0	1.017462482946794	208.3614910163583	2
Monalisa Maternity	0	1.4487179487179487	146.3362831858407	2
Monalisa Jumbo	0	3.3230769230769233	63.79629629629629	2
Martell lembaran 1/2 kg	0	1.3568904593639577	156.23958333333331	2
OBH Anak Straw 55 ml	0	2.515513126491647	84.27703984819735	2
IPN 104 @36	0	1.4851485148514851	142.74666666666667	2

Produk	Produk Rusak	TOR	WSP	Cluster
OBH Anak Straw 100 ml	0	2.2710280373831777	93.34979423868312	2
OBH Anak Orange 55 ml	0	1.6747404844290656	126.58677685950414	2
Lauramox	0	2.4864864864864864	85.26086956521739	2
Kalk tab 30'	0	2.4466019417475726	86.65079365079366	2
Nellcoplus 100 ml	0	0.940809968847352	225.33774834437085	2
Nellcoplus 55 ml	0	2.1271929824561404	99.6618556701031	2
OBH Berdahak 100 ml	0	1.2401433691756272	170.94797687861274	2
OBH Spc Jahe 100 ml	0	2.776595744680851	76.35249042145594	2
OBH Madu 100 ml	0	1.8751902587519025	113.05519480519482	2
Martell lembaran 1 kg	0	1.0966810966810967	193.31052631578947	2
OBH Jahe 55 ml	0	1.564676616915423	135.4912559618442	2
OBH 100 ml	0	1.971889640812077	107.51108764519536	2
OBH 55 ml	0	3.0855073809302755	68.70831076608293	2
Rh.White cream 18 gr	0	1.7247746878703525	122.91460530520934	2
Rod Lotion 60 ml	0	0.918918918918919	230.70588235294116	2
Salicyl Non Mentol 60 gr	0	0.9923111714156491	213.6426618049225	2
Aloha Ecopack 56's	0	1.1278863232682061	187.96220472440942	2
Facial polos large	0	1.3394495412844036	158.27397260273972	2
OBH Madu 55 ml	0	2.1376281112737923	99.17534246575342	2
Salicyl menthol 60 gr@ 18 ls	0	2.9620179762249927	71.57282693813626	2
Rod Powder 100 gr ( 1C=144	0	0.00468384074941452	45262.0	3
Roll Tanpa Kor @ 20	0	5.949740725967292	35.63180477339769	4
O B H Berdahak 55 ml	0	3.935483870967742	53.868852459016395	4

## Visualisasi Silhouette Score Data Produk

Silhouette Score :

0.6861836182408481

**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 5**

