



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

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### 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

