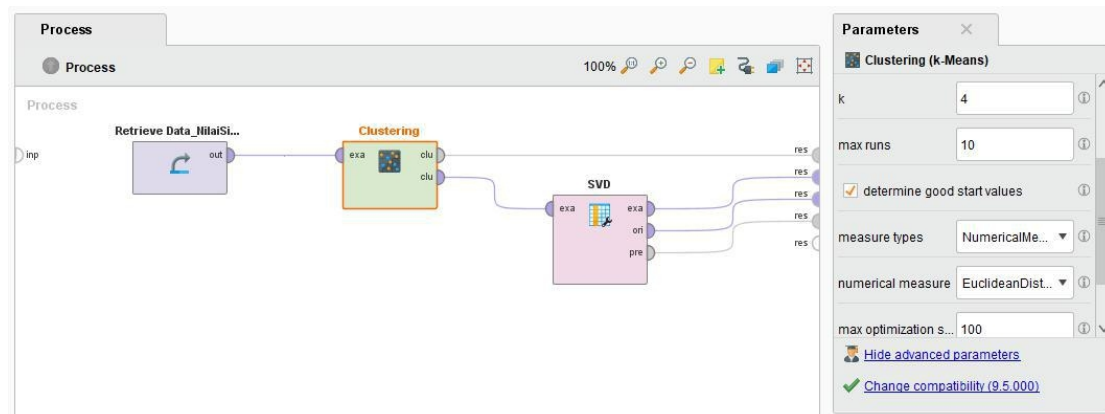


Nama : Fatich Imam Al Arasy
 NIM : L200170128
 Kelas : E

Tugas Praktikum DWDM Modul 10

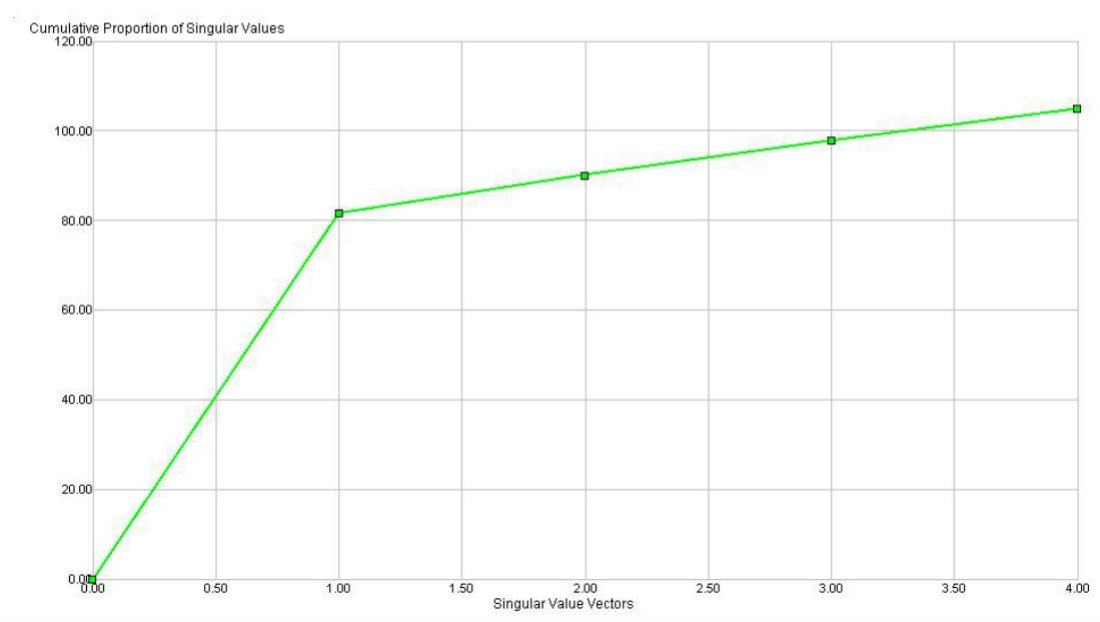
| | NAMA <i>polynomial id</i> | B.IND <i>real</i> | B.ING <i>real</i> | MTK <i>real</i> | IPA <i>real</i> |
|----|----------------------------------|----------------------|----------------------|--------------------|--------------------|
| 1 | JOKO | 8.900 | 6.852 | 8.605 | 6.887 |
| 2 | AGUS | 5.498 | 8.557 | 8.480 | 6.810 |
| 3 | SUSI | 5.483 | 5.072 | 5.767 | 6.173 |
| 4 | DYAH | 8.663 | 6.160 | 9.301 | 5.023 |
| 5 | WATI | 6.937 | 9.437 | 5.735 | 9.007 |
| 6 | IKA | 8.390 | 7.450 | 8.234 | 8.494 |
| 7 | EKO | 6.082 | 5.341 | 7.973 | 7.357 |
| 8 | YANTO | 7.413 | 5.219 | 8.108 | 7.984 |
| 9 | WAWAN | 9.885 | 5.871 | 7.991 | 6.502 |
| 10 | MAHMUD | 5.580 | 5.222 | 6.844 | 9.192 |
| 11 | BUDI | 9.656 | 7.772 | 9.391 | 8.375 |
| 12 | SANTI | 9.382 | 8.575 | 7.977 | 7.154 |
| 13 | DIAN | 9.922 | 9.640 | 8.555 | 9.675 |

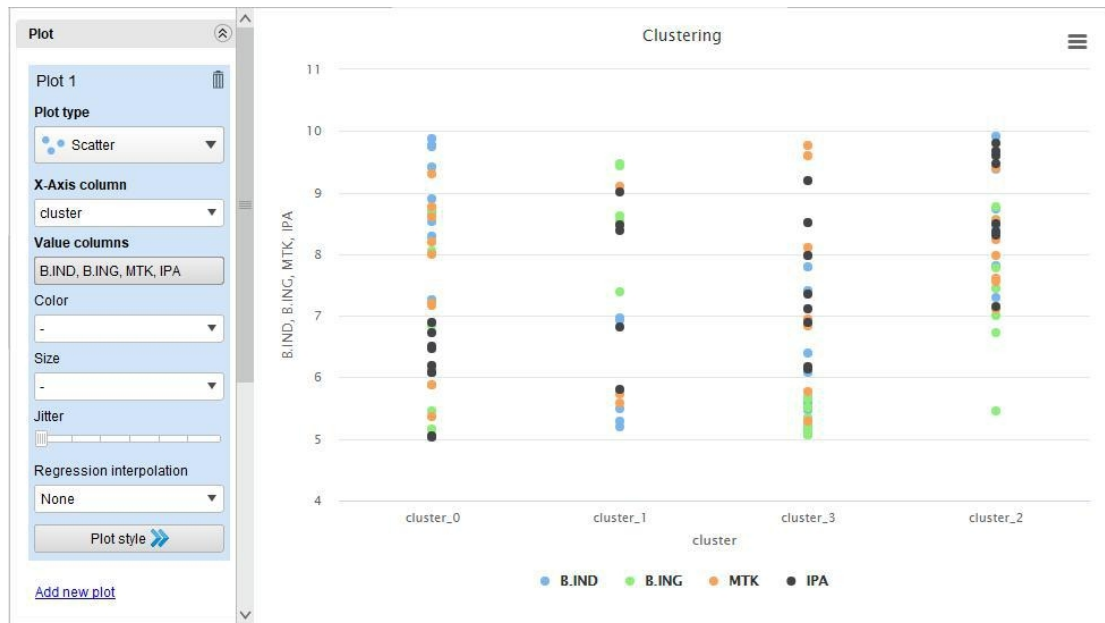
no problems.



| Component | Singular Value | Proportion of Singular Values | Cumulative Singular Values | Cumulative Proportion of Sin... |
|-----------|----------------|-------------------------------|----------------------------|---------------------------------|
| SVD 1 | 81.661 | 0.778 | 81.661 | 0.778 |
| SVD 2 | 8.538 | 0.081 | 90.199 | 0.859 |
| SVD 3 | 7.708 | 0.073 | 97.906 | 0.933 |
| SVD 4 | 7.081 | 0.067 | 104.987 | 1.000 |

| Attribute | SVD Vector 1 | SVD Vector 2 | SVD Vector 3 |
|-----------|--------------|--------------|--------------|
| B.IND | 0.518 | -0.552 | 0.587 |
| B.ING | 0.467 | 0.412 | 0.322 |
| MTK | 0.512 | -0.406 | -0.723 |
| IPA | 0.502 | 0.600 | -0.170 |





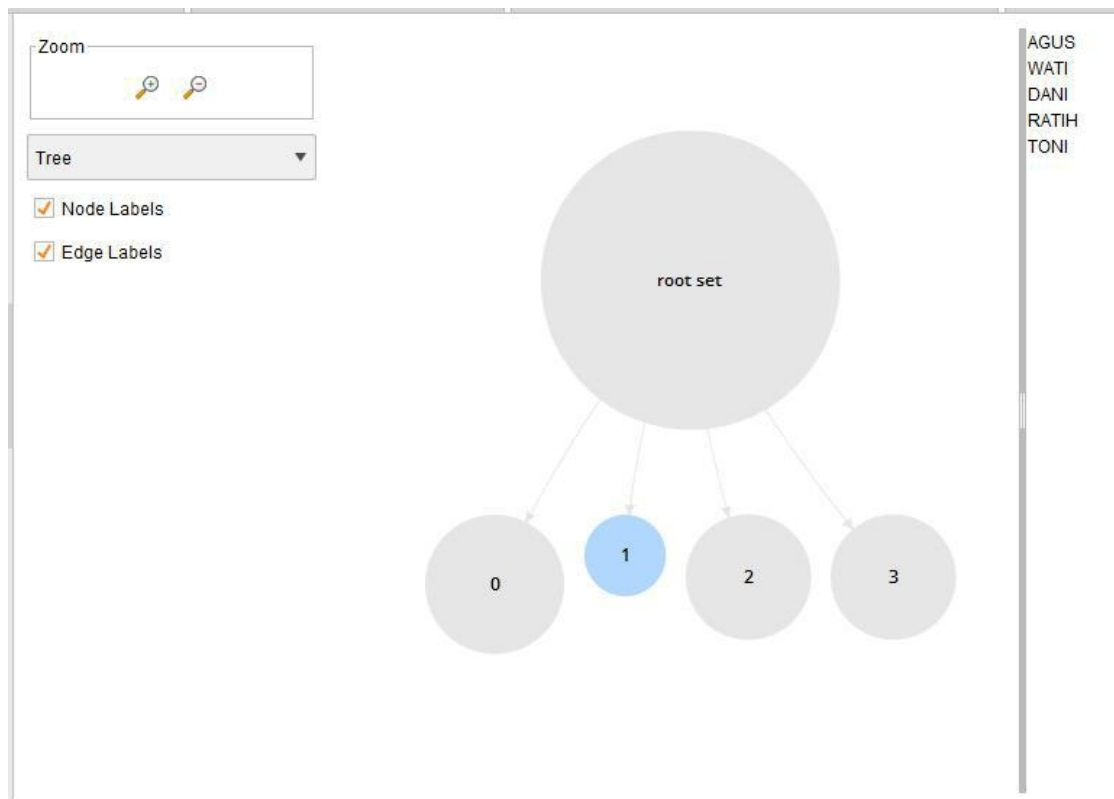
| Row No. | NAMA | cluster ↑ | svd_1 |
|---------|-------|-----------|-------|
| 1 | JOKO | cluster_0 | 0.192 |
| 4 | DYAH | cluster_0 | 0.179 |
| 9 | WAWAN | cluster_0 | 0.186 |
| 15 | AHMAD | cluster_0 | 0.178 |
| 17 | RISA | cluster_0 | 0.176 |
| 19 | YANI | cluster_0 | 0.162 |
| 22 | JONO | cluster_0 | 0.193 |
| 23 | SARAH | cluster_0 | 0.174 |
| 24 | RAMA | cluster_0 | 0.176 |
| 2 | AGUS | cluster_1 | 0.179 |
| 5 | WATI | cluster_1 | 0.189 |
| 14 | DANI | cluster_1 | 0.175 |
| 20 | RATIH | cluster_1 | 0.174 |
| 30 | TONI | cluster_1 | 0.175 |
| 27 | NANA | cluster_3 | 0.152 |
| 29 | DENI | cluster_3 | 0.164 |

Cluster Model

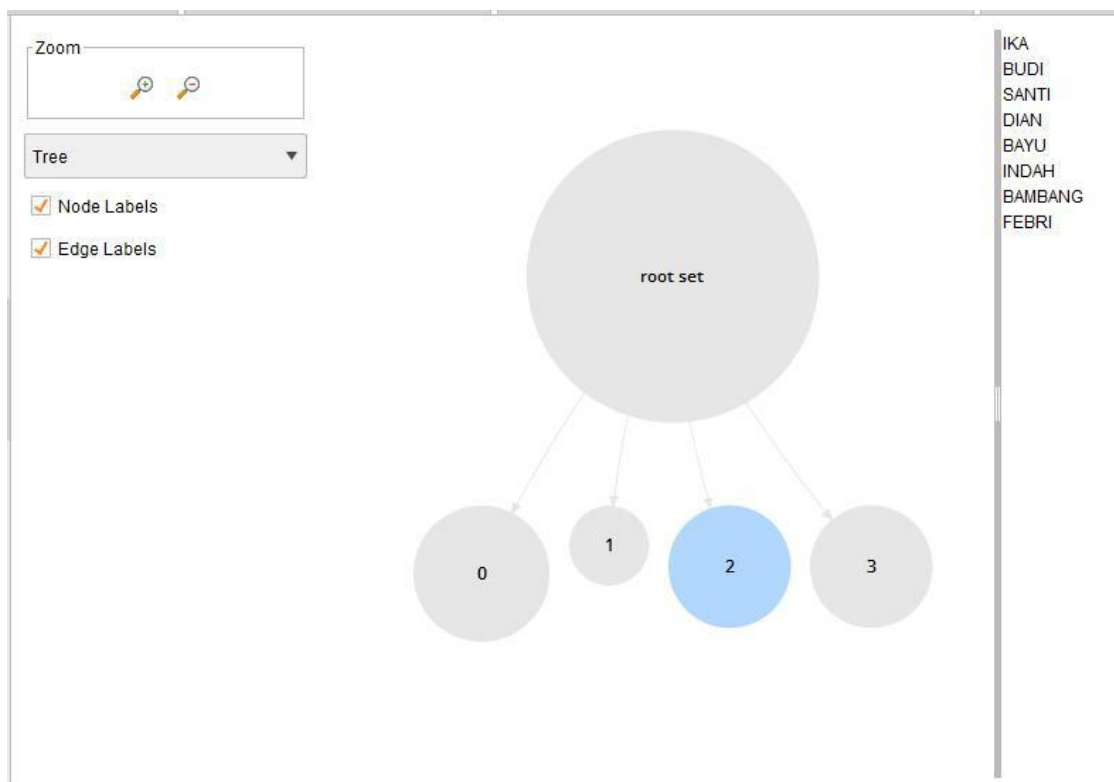
```

Cluster 0: 9 items
Cluster 1: 5 items
Cluster 2: 8 items
Cluster 3: 8 items
Total number of items: 30

```



AGUS
WATI
DANI
RATIH
TONI



IKA
BUDI
SANTI
DIAN
BAYU
INDAH
BAMBANG
FEBRI

