# LAPORAN JOBSHEET 14 BIG DATA



Oleh:

ALBANI RAJATA MALIK

2241760080/05

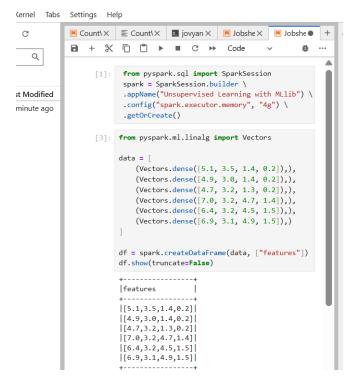
SIB 3E

# PROGAM STUDI D-IV SISTEM INFORMASI BISNIS JURUSAN TEKNOLOGI INFORMASI

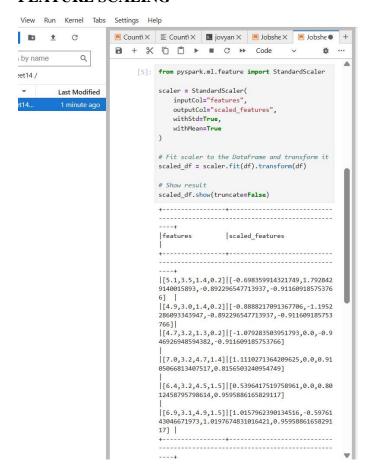
POLITEKNIK NEGERI MALANG

## **CLUSTERING (K-MEANS)**

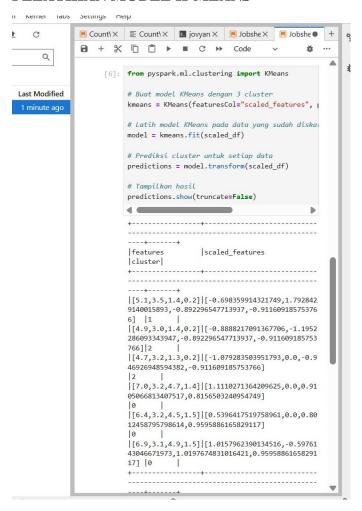
Dataset: Sample dari dataset Iris (sepal length, sepal width, petal length, petal width)



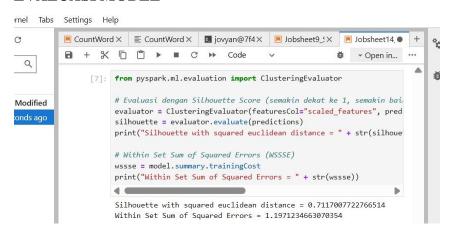
#### FEATURE SCALING



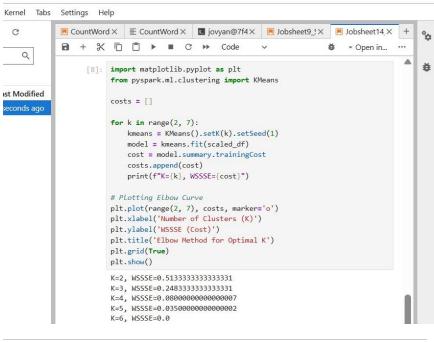
#### PELATIHAN MODEL K-MEANS

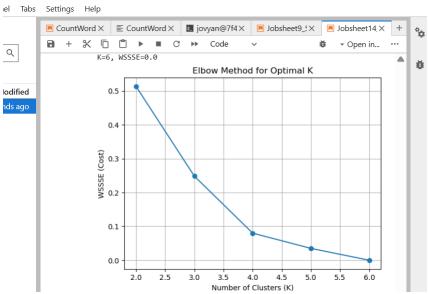


#### **EVALUASI MODEL**

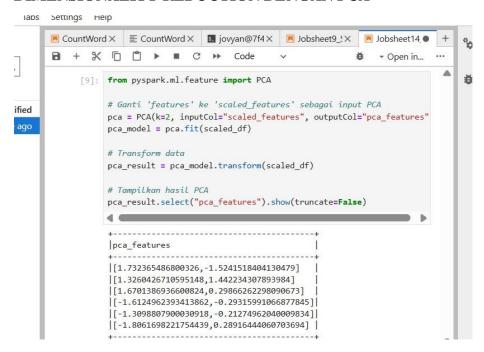


# MENENTUKAN JUMLAH CLUSTER OPTIMAL

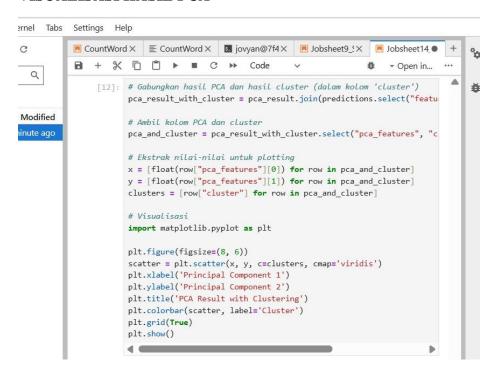


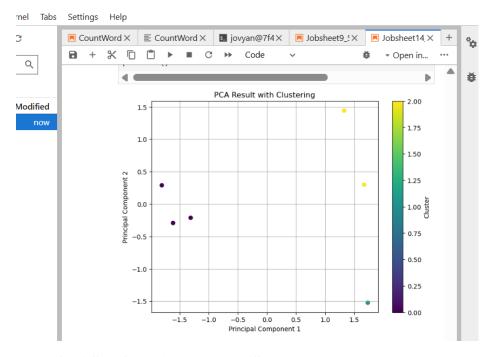


#### DIMENSIONALITY REDUCTION DENGAN PCA

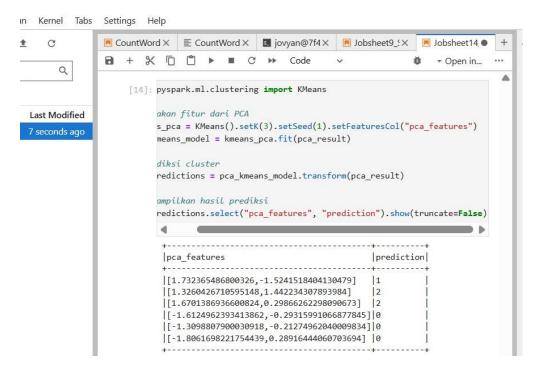


## VISUALISASI HASIL PCA





#### INTEGRASI PCA DAN K-MEANS



# VISUALISASI CLUSTER HASIL PCA

