LEMBAR KERJA PERTEMUAN 6

Tidak menampilkan hasilnya cuman data doang

```
from sklearn.pipeline import Pipeline
from sklearn.compose import ColumnTransformer
from sklearn.preprocessing import StandardScaler
from sklearn.impute import SimpleImputer
from sklearn.ensemble import RandomForestClassifier
from sklearn.metrics import f1_score, classification_report
num cols = X train.select dtypes(include="number").columns
pre = ColumnTransformer([
    ("num", Pipeline([("imp", SimpleImputer(strategy="median")),
                      ("sc", StandardScaler())]), num cols),
], remainder="drop")
rf = RandomForestClassifier(
    n estimators=300, max features="sqrt",
    class weight="balanced", random state=42
pipe = Pipeline([("pre", pre), ("clf", rf)])
pipe.fit(X_train, y_train)
y val pred = pipe.predict(X val)
print("Baseline RF - F1(val):", f1_score(y_val, y_val_pred, average="macro"))
print(classification_report(y_val, y_val_pred, digits=3))
from sklearn.model selection import StratifiedKFold, cross val score
skf = StratifiedKFold(n splits=5, shuffle=True, random state=42)
```