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Jurnal	Information and Software Technology (Elsevier, Q1)
Judul	COSTE: Complexity-based OverSampling TEchnique
	to alleviate the class imbalance problem in software
	defect prediction
Bidang	Machine Learning / Software Engineering
Topic	Class Imbalance Problem In Software Defect Prediction
Metode yang ada	Synthetic Minority Oversampling Technique (SMOTE),
	Borderline-SMOTE, Majority Weighted
	Minority Oversampling Technique (MWMOTE), and
	MAHAKIL.
Masalah	Class imbalance in software defect prediction (SDP)
	data causes the model to be overly biased towards the
	majority class, making it difficult to find defects in the
	minority class.
Metode yang diusulkan	COSTE: Complexity-based OverSampling TEchnique
Diagram alir penelitian	
	Imbalanced dataset
	Apply 5-fold cross-validation Training Training Testing
	instances Train classifier instances (KNN, SVM, RF, MLP)
	Training dataset Balanced dataset Prediction models Testing dataset
	Apply sampling techniques (SMOTE, Borderline-SMOTE, MWMOTE, MAHAKIL, COSTE) Outcomes
	Compute performance measures
	Repeat 10 times
	Averages of each performance measure
Dataset	23 datasets from PROMISE repository (eg: Ant,
	Camel, Ivy, JEdit, Log4j, Poi, Synapse, Xalan,
	Xerces).