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Kelas: 4B Teknik Informatika

Jurnal	Information and Software Technology
Judul	COSTE: Complexity-based OverSampling
	TEchnique to alleviate the class
	imbalance problem in software defect prediction
Bidang	Information and Software Technology
Topic	imbalance problem of software projects
Metode yang ada	Synthetic Minority Oversampling TEchnique,
	Borderline-SMOTE, Majority Weighted
	Minority Oversampling TEchnique and MAHAKIL.
Masalah	imbalance problem in software defect prediction
Metode yang diusulkan	Random oversamplingROS, Synthetic
	Minority Oversampling TEchnique SMOTE, K-
	nearest neighbor KNN, Adaptive Synthetic
	Sampling ApproachADASYN
Diagram alir penelitian	
	Imbalanced dataset
	Apply 5-fold cross-validation
	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
	Inabites
	Repeat 10 times
	Averages of each performance measure
Dataset	meta-heuristic, ensemble learning, cost-
	sensitive learning, data sampling