

Konsistensi Kode pada Bahasa Pemrograman JavaScript Menggunakan *Linter* pada *Continuous Integration Pipeline*

Muhammad Paridudin Zia¹, Dana Sulistyio Kusumo², Donni Richasdy³

^{1,2,3}Fakultas Informatika, Universitas Telkom, Bandung

¹muhfaridzia@student.telkomuniversity.ac.id, ²danakusumo@telkomuniversity.ac.id,

³donnir@telkomuniversity.ac.id

Abstract

One of the problems during the software development process is the inconsistency of the code in the programming language used, which results in difficulty reading, understanding and modifying the code. Therefore we need a coding style rule in the programming language used. Using predefined coding style rules ensures that program code remains consistent. To solve the problem of code inconsistency using a linter which aims to improve the quality of identification, code formatting, and coding style in accordance with the JavaScript style guide from Airbnb Engineering. In the JavaScript programming language, the linter used is ESLint. Which uses custom ESLint rules as a tool to ensure JavaScript code is written according to predefined rules and is then implemented in the continuous integration pipeline for testing JavaScript code. The test results show that the custom ESLint rules that are implemented in the continuous integration pipeline can find and detect JavaScript code that is inconsistent with the Airbnb Engineering style guide. And can help developers to easily and quickly review program code written by other developers.

Keywords: JavaScript, Linter, ESLint, Code Consistency, Continuous Integration