

Pengembangan Automated Test Case Generator untuk Validation Testing dengan Metode Machine Learning

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Abstract

In building a software there is a validation testing method. Validation testing is the process of evaluating and confirming that a software meets the requirements that have been set. Software testers need to create test cases so that the validation testing process can run. However, making test cases that have very many data input requirements takes a long time and sometimes makes it difficult for testers to build appropriate test cases. This research aims to build an Automated Test Case Generator that can generate test cases for relevant validation testing. In this research, ATCG is built using machine learning methods with Named Entity Recognition as a method to form a model so that the application can generate test cases in the form of PDF files. ATCG system can reduce the need for manual methods in making test cases and is expected to be expanded for non-functional testing in future research.

Keywords: Automated Test Case Generator, Machine Learning, Named Entity Recognition
