Finite State Machine-Model Based Testing For Website Application

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Abstract

Testing is one of the important steps in launching an application. With so many testing methods available, testing for website applications that have been developed has some few options. Peduli lindungi website is one of the developed websites that are currently being used by so many users. In this research Finite State Machine-Model Based Testing (FSM MBT) is proposed as the method to do the testing, because FSM MBT was found to cover 100% test execution. By using this method, we found that FSM MBT can cover 100% test execution within 20s. There are few errors found in the method implementation, the buttons and forms in the website cannot be called, but this didn't affect the test execution flow. This is the drawback that we found by using the proposed method.

Keywords : Testing, Finite State Machine-Model Based Testing (FSM MBT), Website.