

## **ABSTRACT**

MI-FIK is a follow-up project to the prototype design of the Faculty of Creative Industries information management software. MI-FIK is software designed to make it easier for lecturers, staff, and students of the Faculty of Creative Industries to obtain information within the Faculty of Creative Industries. MI-FIK software is a mobile application-based software whose development is divided into 2 sides, namely development from the mobile application side and the web server. In line with its development, there are problems that arise, namely, MI-FIK software requires technology that is able to connect between the mobile application side and the web server. In its development, the use of REST API technology is the answer to the problems that occur, which can connect the mobile application and web server sides. Not only that, another problem arises, namely, a method is needed to test the REST API, so that the functionality of the software can be in accordance with the agreed requirements. The use of the black box testing method is a solution to the problem of testing the REST API to ensure that the output of each API is in accordance with the functionality of the MI-FIK software. The results of the tests carried out using the black box method can be concluded to have been successful and the data displayed is as expected based on the test cases that have been carried out.

**Keyword : REST API, Black box testing, JSON**