

## ABSTRACT

In Indonesia, those who play an important role as the pillar of the national economy is MSMEs (Micro, Small and Medium Enterprises). Therefore, Bank Indonesia organizes the Indonesian Creative Work to increase the market access for MSMEs which has also been aligned with the national event known as Gernas BBI to increase public awareness in order to be proud and participate in purchasing MSME products. One type of MSME that gives rise to a sense of “Indonesian characteristics” is the handicraft sector which is widely recognized nationally and internationally. Handicraft is a handmade craft product that is used for daily activities or also can become as a piece of art that tells the history of the product. Yet since most Indonesian people copy it and assume it as their own design as a copycat, this has resulted in threatening sustainability of the handicraft of MSMEs since in the following time, it will lead to a loss of product authenticity and value as well as decreasing in buyer interest.

Regarding those matter, a website named Niuniq comes with solution. This website is designed to check or verify the authenticity of one of MSME product. This website is designed using an iterative incremental method with Vue JS framework in its development. Then the functionality will be tested by black-box testing method. Based on the tests that have been done, with scenario testing resulting 100% in each scenario, the first iteration test scenario was done by getting an input from user to add some features. While in the second iteration, the feature works by using the input that has been got in the first iteration since it has fulfilled its needs. Then on stress testing, the results of fluctuations are quite low and seen as stable from the number of requests 4.69-4.98/seconds within the testing range of 50-200 users with 5-20 requests per user.

***Keywords: MSMEs, Handicraft, Website, Front-End, Iterative Incremental***