

## **ABSTRACT**

In this day and age, having an e-commerce website as main mean to do business is a common thing. Unfortunately, A&Z Collection clothing company still does business with conventional way without any e-commerce website whatsoever. Besides selling an already made products, A&Z Collection also provide a service to make a custom design product that's been designed by the customers. But, the custom order service of A&Z Collection still been done by conventional way also.

Because of all the reasons above, an e-commerce website of A&Z Collection is made with features like products catalogue, product detail, custom order, shopping cart, bills, and payment confirmations. The website has two sides, the user side and the admin side. The admin side of the website have features like admins management, products management, categories management, show user profiles, payment verifications, and change the order status of users. There were two tests that's been done to know the ability of the website which is functionality test and webservice stress test.

The result of all the tests that's been done to the website is the website has all the features that's predetermined before function properly, both in the user side and admin side. After the webservice stress test, we can conclude that the maximum capability of the website to serve users is up to 750 users with threshold error of 50%.

**Key words:** e-commerce, A&Z Collection, products catalogue, custom order