

## ***ABSTRACT***

Overdose is a clothing company for adult and teenagers that located in Bandung. At present, the company only handles offline purchasing process. Overdose customers are spread all over indonesia. It makes difficult for customers to obtain the product and get information about the product from Overdose company.

To solve the problems above, Overdose company need to use internet technology to support business process in this company. Development of *e-commerce* is a solution to overcome this problems. This e-commerce will be built using *waterfall* method. Analysis and design of this system are using *UML* and *codeigniter* as a *framework* for develop the system. The system was tested with fungsionality testing and user acceptance test. Testing result showed that the system has been built according to the design of the system and user needs.

The results of this *e-commerce* can facilitate the customers to get an information and purchase Overdose product. This *e-commerce* also helps the company to handle the purchase of products from customers and view transaction report in the form of tables and graphs.

Keywords: *e-commerce, waterfall, UML, codeigniter, framework*