

## ABSTRACT

This time, art and culture of the various regions in Indonesia are being threatened with extinction. This is due to a lack of public awareness to preserve the original Indonesian art and culture, also due to a lack of information or media that accommodate cultural arts activities undertaken by arts activists in various areas. Internet is one of the media to search and spread the informations of cultural arts. Art and culture informations that spreaded on the internet do not have a good structure yet and is not centralized on one website portal. The visitors of the website portal also not been able to provide information about the schedule of cultural events in certain areas in order to be seen by the public. So in this research, portal website will be built using crowdsourcing concept which can provide for those problems.

This website portal applies the iterative incremental method and vector space model searching method. This iterative incremental method is used based on user requirement analysis. This vector space model search method applied to a website to help visitors find information articles about arts and culture. Analysis and designs of this website portal use UML and PHP programming languages with CodeIgniter framework. And then this website portal is tested by functionality testing and user feedback. The test result shows that the system has been built in accordance with the system design and user requirements.

The results of this research is arts and culture encyclopedia website portal for sharing arts and culture informations and provide schedule informations of cultural arts event that will being held.

**Keyword** : *crowdsourcing, vector space model, arts and culture.*