ABSTRACT

People need health information to keep their healthy life. Internet is a media that makes health information is easier to access. Disease, treat, and many health tips information spread on internet media does not have a good structure. That information also not centered on one website portal yet. The visitors of the portal website also can not provide information about the experience of illness, treatment, and health tips. In this research portal website will be built using iterative incremental method which can provide for those problems.

This website portal applies the concept of crowdsourcing and searching vector space models method. The crowdsourcing concept is the development of outsourcing which the crowd is needed to provide solutions for existing problems. Applying the concept of crowdsourcing on the website portal serves to provide opportunities for visitors to share their experiences of health and also applying vector space models searching method helps visitors to find disease information, treatment and health tips. This method uses the search term weighting by comparing the length of information vector. Analysis and design of this web portal using UML and programming languages PHP framework CodeIgniter then this website portal is tested by functionality testing and user feedback. The test result shows that the system is in accordance with the system design and user requirements.

The results of this research is a web portal can facilitate user to share the health information, simplify the information searching and make recommendations related to health information.

Keyword *: crowdsourcing, vector space model, health treatment.*