

Abstract

Development of system in reality can occur on the addition of resources. These resources should be organized regularly in the database system to obtain structured and purposeful structural information. To obtain structured information retrieval and directional, semantic principles are applied, so the chosen structure of knowledge representation using semantic approach called Topic Map. Then to provide search results in accordance with user interests, needs models user interests as a basis for obtaining the search results according to user interests. Model of user interest is modeling system used to identify user characteristics by looking at user behavior when accessing information on a web page or when the user interacts directly with the system . From the sytem test concluded that the recommendation search results that appropriate in user interest relies on user log data, as user log data serves as a data evaluation of the similarity calculation between topics on search results generated by the system. But the accuracy of the ranking results on search by 61.73% is not appropriate with course that user interested in, because the results are based ranking similarity level, while the level of similarity has not been able to demonstrate the user priority interest of the subject. Then the query topic triggering system has been able to provide appropriate search results on user interests evidenced by MOS score of 4.2.

Keyword: *information, topic map, user interest, searching, structured*