Abstract

The high number of people with diabetes in Indonesia is caused by a lack of public attention to information about healthy food and a healthy lifestyle. This is not getting enough attention because the information obtained is too general and not comprehensive, so the information provided is not in relate with the information that desired by people with diabetes. Apart from being too general and not comprehensive information, the amount of information obtained at this time is still not proven whether the information is valid or not. Modeling the knowledge base is used to provide more comprehensive information about a domain for information that is often asked by people with diabetes. The source of information used comes from the extraction of knowledge from the expert. The knowledge base is then processed using the IRS (Information Retrieval System) to provide information that can be received by the user. The results of the information provided by the system are information that is valid according to the expert and can be applied by people with diabetes.

Keywords: Recommender System, Ontology, Diabetes, Food Diet