

Abstract

Nowadays, building data model with ontology is commonly used, one of the example is build a model data to help users in RSUD Kabupaten Ciamis to discover informations that desirable. Methods can be applied to built ontology are in great quantities. In this Final Project, writer will analyze the performance of building ontology model using KACTUS Method. KACTUS Method is a method that use the previous ontology hierarchy to be built. This Final Project use the previous ontology of superclass hierarchy. It happens that components which affect consistence of data model that will build are forms of hierarchy, relations between classes, properties on classes, and the amount of instance that used. In addition, those components also have effect in retrieve processes and data updates. After performed tests, KACTUS method succeed to build a flexible and scalable ontology model.

Keyword : hierarchy, ontology, KACTUS, flexible, scalable.