Abstract

The Ministry of Healthcare of the Republic of Indonesia said that handling infectious diseases caused by mosquito bites, which are dengue and malaria, is placed as the highest priority. Both diseases have similar symptoms that sometimes cause fatality, due to misdiagnosis. Therefore, an ontology-based tool is required to model the symptoms of these disease. The purpose the tool is to assist doctor and patient in early diagnosis of the diseases. In this final project, an ontology model of dengue and malaria has been built. It aims to help doctors diagnose dengue and malaria and provide important information about dengue and malaria. Experiments with various symptoms have given accurate results whether Dengue or Malaria.