Abstract

When the 2019 presidential election was held, many news providers raised the topic, news of the presidential election was broadcast and spread through television, radio, newspapers, and the internet. The use of the internet in facilitating the search for news of the 2019 presidential election is the people's first choice in reading news. Online news search is done by typing keywords into the website of online news providers and the news sought is presented in a short time, the news is displayed in large numbers and arranged according to the date of issue of the news. News presentations can be better developed if the news is arranged and categorized according to the agenda. Therefore a study was conducted to identify the news agenda by building an ontology-based system. Ontology identifies efficiently because ontology works by categorizing the data that is used in accordance with a predetermined domain. Through the system built, the system issues the results of identifying the agenda for every online news, the results are used to find the value of performance. On the test results obtained, ontology was able to produce a Micro-f1-score of 65.1% and Macro-f1-score of 61.8%.

Keywords: *news*, *presidential election*, *ontologi*, *keyword*, *identification*