

Abstract

Labeling system is used to find the information easily. So, the website developer / organization need to design a good labeling system. One of the method to design labeling system is compare the competitor's sites. In the label recommendation for university websites case, comparing the label university sites is needed. Label is extracted using web crawler. Process to make web crawler must consider the structure of targeted website. The problems arise when there are several different target websites that will be compared. That means, it is necessary to create some unique and different web crawler program codes, so it takes a long time. This research explain the analysis of multiple web crawler. Multiple web crawler is a web crawler which can crawl and extract label in different website automatically.

This research is important because only using one program code of multiple web crawler, can extract labels of several different target websites without need to write different program code of web crawlers.

The step to make multiple web crawler, first, start to collect targeted website based on Ristekdikti rank. It get 14 university websites. Next step, designing each web crawler of targeted website in order to study the structure navigation label. Then analyzing the pattern of structure navigation label. The result of analyzation is used to make a multiple web crawler.

The result of this research is a multiple web crawler that can extract navigation label of several different target websites automatically without writing another program code of different web crawler.

Keywords: *navigation label, web crawler, multiple web crawler*