

ABSTRACT

The current business activities of buying and selling has become a common thing that is often made by many people. The necessities of life and the increasing number of people are also increasing, making buying and selling transactions has increased over time. Therefore we need a media that is very helpful to the process of buying and selling transaction so that the seller can promote and publicize his wares on the buyer and the buyer was unable to find the desired item streamlined.

Website users in Indonesia in 2013 reached 74 million *users* (marketers in 2013) and in the last 5 years increased by 430% (Yasser Paragian 2014). From the facts obtained that a *website* can be used to support the buying and selling process. In Indonesia there are many *websites* selling available to the public, for example OLX.co.id, berniaga.com, bukalapak.com, and so forth. However, because of the many *websites* available then society must seek to purchase any existing *website*. Therefore designed a system that uses a *web crawler* data *scraping* technique which can combine the search results data from multiple *websites* selling and display.

Features that will be done in this thesis is the search items with results ordered according to the desired *user* in this case is the date of manufacture of the ad, the location of the goods, and prices of goods as well as recent menampilkan latest update of the data item. The length of time it takes to display the results of data depends on several aspects of one of keywords used. The more specific the keyword used the less time it takes to process its data *scraping*.

Keywords: *Website, Web crawler, Data Scraping, Purchase*

