DEVELOPMENT OF MULTI RSS NEWS LOADER APPLICATION USING MASHUP METHOD TO GET THE MAIN NEWS FROM SET OF NEWS WITH A SIMILAR TOPIC ON THE ANDROID PLATFORM

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ABSTRACT

News is an information media that can not be separated from human beings. Because of the importance of news and growth of mobile technology, newspaper companies try to build a solution by creating a mobile based news loader application. This solution is expected to make every person able to read news anywhere with their Android phone. Nowadays there are many news loader applications available and every newspaper company has at least one news loader application. A problem arises when an event occurs, every newspaper editorial staff will make news that discusses about this event with many different language delivery. This problem causes an uncomfortable situation to news readers because they have to read so many news with the same topic without knowing which one has to be read first.

This application is made to perform the clustering of news that have the same topic of discussion. The news will be taken from various RSS, provided by a few newspaper companies. After the application obtains the group of news from various RSS, the process to get the main news will be done with the Mashup method that references the results taken from Google search engine. To support
the user mobility, this application will be made based on the Android platform.

The functionality tests shows that this application runs well with different scenarios. The usability tests shows that the percentage of satisfaction from the users for the grouping of news feature is 80% and the choosing of the main news feature is 85%. The choosing of the main news algorithm accuracy tests shows that it’s accuracy is 97% with a clustering Single Pass algorithm threshold as big as 0.15.

**Keywords:** News, RSS, Clustering, Mashup, Android.