

## **Abstract**

*Sentiment analysis is the process of extracting, processing and understanding data into textual information. One of the textual information is opinion. This opinion is important at the moment. Often, opinions are taken into consideration in decision making, even opinions in electronic product reviews. But this will be a problem when the opinion we seek too much, it will make it difficult to know the review of a product that can help it to make decisions. Therefore it takes a system that can handle it. In this study, using double propagation methods, in which the results will be generated product features are tried opinion by using eight double propagation rules and with attention to the dependencies between features and opinions. The first feature extraction process performs feature and opinion extraction by using opinion seeds and then new extraction results from features and opinions are used to extract the next feature and opinion words. The feature extraction process ends until no more new words and features are found again. The product feature extraction process is performed to obtain feature and opinion pairs, which then execute opinion lexicon-based extraction. The extraction process based on lexicon opinion results in better performance using the lexicon opinion with SentiWordNet. This is because SentiWordNet is able to provide a more complete lexicon compared to Bing Liu and MPQA.*

**Keywords:** *Sentiment Analysis, feature, opinios, double propagation, extraction*