

## ABSTRACT

Giving a positive or negative value of a product is can be viewed by the *reviews* that was given by previous customer. Today, there is a website that providing product *review* where value of the product is assessed from rating and comments. But, because of many *reviews*, the customers who what to buy that product will be difficult to decided the value opinion. Classification process will help determine opinion of the product. Opinion Mining is study for analyzes people's opinion towards entities, individuals, issues, events, topics, and their attributes. Feature extraction that used before classification will make a higher accuracy assessment. *Pointwise Mutual Information* methods is used in extraction features process where get noun phrase in every sentence of product *review*. Using Stanford Parser from Stanford NLP in a pre-processing data will make extraction process easier. Semantic orientation labeling is used in classification process. The result of the system is about 30% until 50%. The system used Java language programming.

Key: *review* opinion, feature extraction, Stanford Parser, PMI-IR, Semantic Orientation Label, Java