

## **Paper-JT- 076: Important Topics Summary of Political News Opinion in Online Media**

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### **ABSTRACT**

Many news websites in Indonesia provide free news. The most favorite topic is political news, according summary tool provided by news website. They are top ten popular news according number of readers and top ten commented news according number of reader's comment. Website readers gave opinion to express their aspiration. Other readers like to read some opinions, to understand a political situation that change very fast. The website management also need to know reader's response in some news. News website have provided summary tool in limited form. It would be more useful if website presents important topic summary of reader opinion with additional information, what percentage of positive, negative, and neutral opinion. We answer the problem with some steps, i.e. data preprocessing includes parsing the opinion sentences become some words, removing some stop list words, and changing some words into their basic form (stemming). After that we choose five important topics in an article whose high frequency. The topics become guide to determine opinion topics in related news. If there is not suitable topic, the opinion topic is general. After that, we make classification model use Naïve Bayes algorithm, then use model to decide the opinion category, positive, negative, or neutral. The last step is retrieving the summary.

**Keywords:** opinion news, classification, topic, summary, Naïve Bayes