

## ABSTRACT

### ***HEADLINE GENERATION FOR BAHASA INDONESIA USING ENCODER-DECODER***

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Headlines are the first impression on how a reader will read an article. It effects on how the article will be regarded and what the reader will expect in the article. Nowadays, the problem with headlines is that some headlines don't truly represent the true article, this is known as clickbait headlines. Over the years with the increasing numbers of online journalism, lots of publishers use clickbait headlines to attract more readers rather than delivering the information. Studies on headline generation has been made to try and deliver a headline which represents the true meaning of its article. However, the majority of these studies are focused on English and still lacks in other languages.

This research studies the case of headline generation and tries to implement some previous models especially the encoder-decoder model. The model will be trained using a dataset of news articles in Bahasa Indonesia. The "CLICK-ID" (William & Sari, 2020) dataset is a collection of Indonesian news headlines which consists of 46,517 collected headlines from 12 local Indonesian news publishers. Based on the experiments in this research, the results vary based on the maximum amount of the content which can be used. In this research, a maximum content length of 100 words is used and results in a model accuracy of 80% and a ROUGE score of 0.50.

**Keywords:** Encoder-Decoder, Headline Generation, Bahasa Indonesia