

ABSTRACT

In this study, we will discuss the development of an automatic question generator for biology material at the high school level. In the development of question generators, of course, there have been many examples of question generator sites that can be found on the internet, but almost all of the question generators that can be found on the internet require users to use English and the site can only generate questions in the form of short questions or factoid, so This study aims to develop a generator of Indonesian questions with non-factoid question types using a template-based approach. In addition to using the Template-Based approach, this research will use the Naïve Bayes algorithm for the sentence classification process with the help of GridsearchCV and the pipeline from TF-IDF Transformers, String-Match for the sentence elimination process, and Chunking Labeling for the word tagging process. The question generator model developed in this study has an average accuracy rate of 90% with a percentage level of the number of questions that are suitable for use around 60%, so the generator model developed is quite feasible to use, but requires further research so that the question generator model that is developed is quite feasible. produced can have better performance.

Keyword—*Automatic Question Generator, Naïve Bayes Classifier, Chunking Labelling, Template-based, GridsearchCV, Biology, high School Questions*