

## **A Comparison of OpenNMT Sequence Model for Indonesian Automatic Question Generation**

**by Yuniar Indrihapsari, Handaru JatiRatna wardani, , Nurkhamid, Pradana Setialana, Danang Wijaya, Dhista Dwi Nur Ardiansyah, Satya Adhiyaksa Ardy, Maria Bernadetha Charlotta Wonda Tiala, Andi Hakim Al-khawarizmi**

### **ABSTRACT**

Evaluating students is a fundamental process in the world of education. However, making evaluation instruments is a process that requires sufficient energy and time for teachers. In this study, the researcher made the Indonesia Automatic Question Generator tools with an architecture derived from a modification of previous research. The main objectives of this experiment are (1) to build an AQG tool using the OpenNMT series and (2) to evaluate and compare the model's performance. This study uses the SQuAD 2.0 dataset as a source and several sequence approaches, namely BiGRU, BiLSTM, and Transformer. The researcher used OpenNMT-py and Google Colaboratory to train the models. This approach generates questions that are relevant to the context of the source. This study found that the model was acceptable and could help teachers conduct the evaluation instruments for students.

*Kata Kunci: Automatic Question Generator, RNN, SQuAD 2.0, learning evaluation*