

ABSTRACT

**QUESTION ANSWERING SYSTEM IN THE FORM OF
CHATBOT ON THE LINE PLATFORM FOR HISTORY
COURSES OF SMA/MA USING THE LEVENSHTein
DISTANCE ALGORITHM**

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The use of history textbooks as a reference for high school/MA students in searching for information is considered ineffective and inefficient. To assist and facilitate SMA/MA students in finding information about historical subjects, a question answering system was designed and built in the form of a chatbot on the LINE platform. To get a response that is in accordance with the input of questions from chatbot users which was built using the Levenshtein distance algorithm. User input will be processed with text preprocessing to get keywords. The Levenshtein distance algorithm is used to match keywords based on user input with keywords in the knowledge base to get the most appropriate response. The test in this study obtained an accuracy of 100% by using questions from the knowledge base and 72% by using questions asked directly by high school/MA students. In this study, it can be concluded that chatbots can help students in giving correct answers regarding history subjects.

Keyword : Question Answering System, Chatbot, LINE, Levenshtein Distance Algorithm, History Subject.