

UNIVERSITI TEKNOLOGI MARA

**MOBILE APPLICATION FOR
LEARNING MANDARIN USING
CHATBOT**

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ABSTRACT

Pinyin Mandarin writing skills involves knowing how to construct sentences correctly. The traditional way of learning how to write in Pinyin Mandarin in classroom is not interactive and efficient for students. Learning Mandarin using chat bot is a mobile application that can help students to write or construct sentences in Pinyin Mandarin. The application allows students to learn by conversing with a chatbot. The bot works by replying on the sentences sent by students. It can check whether the words students typed are correct or not. Having a chatbot application for learning Pinyin Mandarin allow students to learn independently beyond classrooms. It is an advantage for students who have difficulties approaching their lecturers due to factors such as time constraints or shyness. The novelty of the interactive chatbot technique may also encourage students to try this application and practice compared to the traditional way of learning through exercise books. Research methodology used is ADDIE model which are Analysis, Design, Development, Implementation and Evaluation. Testing had been carried out by 5 respondents that are UiTM students that take Mandarin as third language. The results shown that respondents felt confident to use this application to learn Mandarin and construct sentences in pinyin Mandarin. Overall there are enhancement that could be proposed for this project in the future such as this project can direct translating word that students need to know.

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