

ABSTRACT

Limited access to funding information remains a challenge for millennial farmers, so the potential of available funding programs has not yet been optimally utilized. This research aims to design a conversation flow related to the capital of millennial farmers' businesses and to develop an educational chatbot system based on a website using Dialogflow that can facilitate millennial farmers in obtaining information related to business capital. The steps taken in this research include user needs analysis through surveys and questionnaires to millennial farmers in Cianjur Regency, designing the conversation flow based on the user needs analysis results, and the design and implementation of the chatbot system. The chatbot implementation was carried out by integrating Dialogflow into the website platform to enable two-way interaction between users and the chatbot system. Evaluation was conducted through two approaches, testing the chatbot's accuracy against user questions and black box testing of the website to ensure all system functionalities operate as expected. The accuracy test results showed that the chatbot was able to understand questions and provide appropriate responses with an accuracy level of 84.53%. Based on the black box testing results, it was shown that all functionalities in the system could operate as expected. Thus, this chatbot successfully meets the research objectives and is expected to be an effective solution in providing access to funding information for millennial farmers.

Keywords: *Chatbot, Agricultural Business Financing, Millennial Farmers, Dialogflow*