

ABSTRACT

Nasution, Aisyi Rasyikah. Registration Number: 2222421001. Developing Students' Worksheet Based on Inquiry-Based Learning Using Augmented Reality for Teaching Descriptive Text

The purpose of this study was to develop a students' worksheet based on Inquiry-Based Learning (IBL) using Augmented Reality (AR) for teaching descriptive text to Grade X students. This study used Research and Development (R&D) design by adopting Borg and Gall's (2007) model. The data were collected through a needs analysis questionnaire distributed to 32 students and expert validation involving two experts. The needs analysis results showed that students had difficulties in writing descriptive texts, especially in generating ideas, choosing appropriate vocabulary, using correct grammar, and understanding the generic structure. Students also stated that they needed learning activities with clear guidance, visual support, and step-by-step writing practice. In addition, most students showed positive responses toward AR-based learning because it helps them observe objects clearly and generate ideas more easily. Based on these findings, a worksheet was developed using the 5E stages of Inquiry-Based Learning (Engage, Explore, Explain, Elaborate, and Evaluate) integrated with AR media. The worksheet was validated in four aspects: language, content, presentation, and layout. The results showed that the worksheet was categorized as "Very Good." The language aspect obtained average scores of 4.75 and 4.88. The content aspect gained 4.25 and 4.50. The presentation aspect obtained 4.71 and 4.86, while the layout aspect gained 4.71 from both validators. These findings indicate that the developed worksheet is feasible and appropriate to be used as instructional material to support students in learning descriptive writing.

Keyword: *Students Worksheet, Inquiry-Based Learning, Augmented Reality, Descriptive Text*

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