

ABSTRACT

Anggun Anggini. 2023. *DEVELOPMENT OF MIND MAP LEARNING MEDIA BASED ON MINDJET MINDMANAGER APPLICATION ON THE TOPIC OF SOUND WAVES*

This research is motivated by the rapid development of technology, the challenges faced by physics teachers in utilizing technology, and the need for innovative, ready-to-use, and engaging learning media to facilitate students in understanding physics materials. In line with this, the research focuses on the development of a Mind Map-based learning media using the Mindjet MindManager application. The purpose of developing this media is to determine the validity and practicality of the Mind Map-based learning media using the Mindjet MindManager application on the topic of sound waves. This research falls under the category of Research and Development (R&D) with a 4-D development model, limited to the define, design, and develop stages. The define stage is the initial phase of media development based on preliminary analysis, student needs analysis, task analysis, and learning objectives analysis. The design stage is the second phase of media development aimed at producing the initial design of the media to be developed. The next stage is development, which includes creating the Mind Map media, validating the media by expert content validators and media experts, followed by a trial phase involving 36 students who provide feedback through questionnaires. The data analysis technique used is quantitative analysis with Likert scale for validity and practicality analysis. The overall average value of content expert validation is 88.4%, indicating a very valid criteria, and the overall average value of media expert validation is 87.3%, also indicating a very valid criteria. The average overall practicality value provided by students is 89.2%, categorized as very practical. Thus, the Mind Map-based learning media using the Mindjet MindManager application is declared valid and practical for use in the final stages of physics learning as a tool to briefly clarify the presented materials.

Keywords: Instructional media, Mindjet MindManager, Mind Map