

## ABSTRACT

Dila Aulia Mulyani. 2023. **BASED ON LOCAL CULTURE ASSISTED BY ANYFLIP TO TRAIN STUDENTS' MATHEMATICAL LITERACY ABILITY** Master of Mathematics Education Study Program. Graduate program. Siliwangi University.

This study aims to produce local culture-based teaching materials assisted by anyflip to train students' mathematical literacy skills and to analyze and describe the quality of the effectiveness of students' mathematical literacy skills after using local culture-based teaching materials. The subjects in this study were, 2 media experts, 2 material experts, and 25 students of class X DKV 1 SMKN 1 Tasikmalaya. The method used in this research is the research and development method (Research & Development) with the ADDIE development model which goes through several stages, namely Analyze, Design, Develop, Implement, and Evaluate to get a valid and feasible product for use. Data collection techniques in this study are observation, questionnaires, interviews, and tests of mathematical literacy skills. The instruments used in this study were material expert validation sheets, media expert validation sheets, user response questionnaires, and mathematical literacy ability test questions. All instruments used in this study have been declared feasible. Based on the results of the study, at the analysis stage, information was obtained that the teaching materials used by teachers were still in the form of package books and LKS which not all students had, not a few students still had difficulty in doing the three variable linear equation system (SPLTV) problems, and most students still did not know about the local culture of Tasikmalaya. At the design stage, researchers create flowcharts, storyboards, and prepare other data. At the development stage, teaching materials based on local culture are produced which based on the assessment of experts obtain valid categories so that they can be used. At the implementation stage, student responses were obtained to teaching materials that obtained the "good" category and teacher responses to teaching materials that obtained the "good" category. At the evaluation stage, the average posttest score is greater than the average pretest score. The results of the effect size (ES) test obtained a value of 1.44 with the category "strong effect". The teaching materials developed can be used as learning resources that can train mathematical literacy skills.

**Kata kunci:** Teaching Materials, Local Culture, Anyflip, Mathematical Literacy Ability