



**The 6<sup>th</sup>  
Educational Sciences  
International Conference 2023**

**“Education For a Better Future”  
September 6-7, 2023**

**Faculty of Teacher Training and Education  
Mulawarman University**



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Offline Presentation No : 041  
Place : Room 3 (Breakout Room 5)

Day 1: Wednesday, 6 September 2023  
Time : 14.35 - 15.35 WITA

**DEVELOPMENT OF GEOMETRY TEACHING MODULES BASED ON  
MATHEMATICAL LITERACY USING TESTS IN PARTIAL CREDIT  
MODEL SCALE FOR JUNIOR HIGH SCHOOL IN EAST  
KALIMANTAN**

Sugeng<sup>1)</sup>, Kukuh<sup>2)</sup>, Hesti Rahmayani<sup>3)</sup>

Mulawarman University, Indonesia

[sugeng@fkip.unmul.ac.id](mailto:sugeng@fkip.unmul.ac.id)

This research and development aim to produce a product as a Geometry Teaching Module based on Mathematical Literacy using Geometry test questions in scaling the Partial Credit Model (PCM) at the junior high school level. The research sample of class VIII students of State Junior High School in the East Kalimantan region was selected using purposive sampling techniques. The preparation of teaching modules involves validation from material expert validators and linguists. Development of teaching modules using 4-D models. The validation results are collected through questionnaires. Some students consider questionnaires and also become test subjects of questions. In the final stage, teaching modules and test questions are applied to a larger sample. The results show that, in general, teaching modules are in the decent category. However, it still needs revision, especially since the presentation of the material is more simplified, the practice questions need to be added, there needs to be an answer key, and a more attractive cover. For test questions on the Partial Credit Model scale, it is feasible. However, most students are new to the form of the question. For subsequent similar research, the application of test questions on the PCM scale was expanded using material from other branches of mathematics, school levels, and different development models.