

# **TRAINING ON THE DEVELOPMENT OF PISA MODEL ASSESSMENT INSTRUMENTS TO IMPROVE TEACHERS 'COMPETENCE IN MEASURING SCIENCE LITERATION ABILITIES OF SMP STUDENTS**

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## **ABSTRACT**

The Program for International Student Assessment (PISA) is a three-year international survey that aims to evaluate education systems around the world by testing the skills and knowledge of 15 year old students. PISA seeks to illustrate how well they can apply what they have learned at school to a real life situation. This training activity aims to improve the quality of student assessments so that they can apply the PISA model of science assessment to measure scientific literacy skills.

Activities that have been carried out are online training activities using the Googlemeet platform aimed at junior high school science teachers across Indonesia, represented by 46 participants. The training activities include the delivery of material covering the basic concepts of developing a PISA model assessment instrument to measure the scientific literacy skills of junior high school students. PPM activities are carried out by means of online (google meet), workshops, structured assignments, and consultations with the following details. Tutorials and workshops, namely the delivery of material 1 is an assessment system based on the 2013 curriculum and the basic concepts of the PISA model of science assessment and scientific literacy skills. Structured Tasks, namely the preparation of a model for assessing student learning outcomes for science subjects based on the 2013 PISA model curriculum to measure scientific literacy skills. Task consultation, namely consultation conducted via email / cellphone, especially for training participants who have difficulty completing structured tasks.

The results of this activity have been evaluated based on input from science teachers in junior high schools in Indonesia, which in fact can improve the quality of students' assessment skills so that they can apply the PISA model of science assessment to measure scientific literacy skills. In addition, the results of PPM activities can also be used as material for studies, journals, or references in similar PPM activities.

*Kata Kunci: Teacher training, science assessment instruments, PISA, and scientific literacy*