

Training on the Use of Physics Measurement Tools and Making Simple Physics Teaching Aids for Junior High School Teachers in Gunung Kidul Regency

by Supardi, Ariswan, Suparno, Brams WS, Warsono, dan Rita Prasetyowati

ABSTRACT

The purpose of this service is to provide training on the use of physical measuring instruments for science-physics teachers in Gunung Kidul Regency to improve skills in measuring physical quantities, improve the ability to use physical measuring instruments and how to write results and errors or uncertainties, and make tools simple physics visualizer that can be applied in each school to increase the availability of physical measuring instruments. The method used is training or workshops held in junior high schools that have sufficiently complete facilities for demonstration of teaching aids by including the active role of the teacher as the target of service. There were 15 natural science teachers spread in the Gunung Kidul area who were invited to this activity, including teachers who had science education backgrounds as well as teachers who had not received science education at all. The results of this service show that most science teachers in the Gunung Kidul region expect the continuation of this activity, given the basic concept of science including the measurement of physical quantities and their writing has not been fully mastered by the teacher. The teacher still has difficulty in explaining the physical symptoms that occur in physical events that are found every day.

Kata Kunci: PPM, training, physical measuring instruments, junior high school teachers, Gunung Kidul