

INCREASING THE UNDERSTANDING OF OPTICAL CONCEPTS FOR SCIENCE TEACHERS OF JUNIOR HIGH SCHOOL AT THE BANTUL DISTRICT

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ABSTRACT

This Community Service Program aims to improve the ability of the science teacher's understanding of the concept of spreading light on the mirror. Teaching optical concepts tend to have misconceptions about the propagation of light on mirrors and lenses. To increase understanding of this optical concept, training on Snellius law has been conducted for science teachers who are members of the MGMP IPA SMP in Kab. Bantul. The parameters studied to determine the extent of the success of the program are in the form of: 1) The objectives and benefits of the activity; 2) the process of providing learning material; 3) the impression of the delivery of material. The results of the research prove that this training program can increase the understanding of the optical concepts of junior high school science teachers about the spread of light on the mirror. In order for these teachers to be able to teach optically according to the correct basic concepts of physics, the training program must be carried out periodically and gradually so that it can be sustainable and planned

Kata Kunci: Science teacher, Optical Physics, Snellius Law, misconception