

**TRAINING ON THE USE OF PHYSICS APPLICATIONS AND SIMULATIONS IN MECHANICS TOPIC
PRACTICUM TO STRENGTHEN ONLINE LEARNING FOR TEACHERS OF MGMP PHYSICS
VOCATIONAL SCHOOLS IN YOGYAKARTA**

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ABSTRACT

The Covid-19 pandemic has not shown any signs of slowing down, let alone ending. The implementation of community action (PPKM) is the last effort made to overcome the spread of Covid-19 in Indonesia. Learning activities which were initially located and focused on school and college environments, quickly turned into activities that had to be carried out at home. Online learning is actually a system that can facilitate students to learn more widely, more and more variedly. The learning material studied is more varied, not only in verbal form, but also in more varied forms such as visual, audio and movement. The application of Physics applications and simulations on the subject of mechanics which are available as learning resources on the internet can strengthen courage learning for vocational school students. To be able to help and motivate teachers to take advantage of this as previously explained, training will be held in two meetings covering insight into various learning resources and bold learning tools, training in the use of these various learning resources, and implementation of training in the use of Physics applications and simulations in brave learning.

Kata Kunci: *physics simulation, mechanics, online learning*