

Workshop on Developing Online Learning Tools For Junior High School Mathematics Teachers in Kulon Progo Regency

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ABSTRACT

The Community Service Activity (PPM) entitled "Workshop on Developing Online Learning Tools for Junior High School Mathematics Teachers in Kulon Progo Regency" was motivated by a pandemic situation that forced teachers to carry out online learning activities. This PPM activity aims to improve junior high school mathematics teaching and learning activities in Kulon Progo Regency. More specifically, this PPM activity seeks to improve the skills of mathematics teachers in developing or compiling online learning tools.

The implementation of PPM activities carried out online using zoom. Activities in the form of workshops, which include theoretical and practical exercises. This workshop integrated with the Mathematics MGMP activities of SMP Kulon Progo. Starting with an explanation from the UNY team regarding mathematics learning and its assessment during the Covid-19 pandemic, then continued with several other topics delivered by mathematics teachers/MGMP managers. These topics include: (1) Optimizing the use of WA and Google forms; (2) Making Learning Video; (3) Online Essential Materials related to curriculum supplements; and (4) Development of Lesson Plans and Student Worksheet in the mass of the Covid-19 pandemic. All activities carried out by the MGMP were 42 hours of meeting (JP), but the team from YSU only joined for 12JP (on September 10 and 17, 2020).

The workshop activity was attended by 52 junior high school mathematics teachers in Kulon Progo Regency, nine students, and several junior and high school mathematics teachers outside Kulon Progo Regency. From discussions with teachers, it can be seen that the main obstacles in implementing online learning include: (1) teacher readiness, both related to technology and supporting devices; (2) student readiness (readiness of handphones/laptops, signals, and pulses); and (3) students' psychological (learning motivation, boredom, and stress).

Kata Kunci: workshops, learning tools, online, teachers, mathematics