

# LESSON PLAN WORKSHOP BASED ON FLIPPED CLASSROOM FOR JUNIOR HIGH SCHOOL MATHEMATICS TEACHERS IN BANTUL DISTRICT (LMS Practice Using Edmodo/Google Classroom)

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## ABSTRACT

The purpose of this PPM activity is to improve the competence of junior high school teachers to develop learning designs and use LMS Edmodo/Google Classroom in flipped classroom-based mathematics learning. Things to consider when using Edmodo or Google Classroom in education affected by the COVID-19 outbreak because it has several characteristics, namely easy to use, time-saving, cloud-based, flexible, and mobile-friendly. The advantage of the Edmodo or Google Classroom application compared to other applications is that it can be used to create and manage classes, materials, assignments, grades, and can provide interactive input to students. The targets of this PPM activity are public or private junior high school/MTs mathematics teachers who are members of the mathematics MGMP of Bantul Regency, Yogyakarta Special Region Province. The participants were 32 teachers with the training design divided into two, namely dare and offline. Offline training materials consist of 1) Mathematics Learning Paradigm in the Covid 19 Era; 2) Activity Design in mathematics learning; 3) Lesson Plan/RPP for Mathematics Learning during the Covid 19 Pandemic (Online Learning Lesson Plan); 4). Use of Google Classroom and Edmodo in Flipped Classroom-based Learning. While the material for offline training is the practice of making learning videos using the Filmora application. The results of the training are in the form of lesson plans based on the flipped classroom and a link to the google classroom created by the teacher. The results of the training participants' assessment of the training material and implementation were an average of 8,812 which showed a very good response. Participants hope to be involved if there is a similar training with different materials.

Kata Kunci: *learning design, flipped classroom, edmodo, google classroom, mathematics*