

Vehicle Emission Data Analysis and Test Training for the Teachers of MGMP Ma'arif Yogyakarta

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ABSTRACT

The community service activity program with the title "Training for Testing and Analysis of Vehicle Emission Data for the Teachers of MGMP Ma'arif Yogyakarta" aims to: 1) Provide knowledge and skills for teachers who are members of the LP Ma'arif NU DIY MGMP about data testing and analysis vehicle emissions, 2) Raising awareness for teachers/schools of the importance of learning facilities, notably related to vehicle emission test equipment.

The implementation of this training program is carried out by providing knowledge about exhaust emissions, reading the elements of exhaust gases, test procedures, and understanding regulations related to exhaust emissions. The training participants consisted of teachers of motorcycle business engineering expertise who were included in the Productive MGMP group of LP Ma'arif Yogyakarta. The training procedure provides opportunities for gradual training in groups and individually as well as explaining the meaning of the test data related to the condition of the vehicle. The evaluation was conducted with a written test and demonstration of individual testing and data analysis through practice in the workshop.

The results of the activities carried out in two days can be concluded that it went well according to the plan. The theoretical evaluation shows good results, while from practice, all participants can understand emission sources and their handling, master exhaust gas measurements skills, and analyze emission data correctly.

Kata Kunci: *Training, Exhaust Gass Emision, LP Ma'arif.*