

ENVIRONMENTAL-BASED PRACTICUM TRAINING AS AN IMPROVEMENT PROFESSIONALISM OF JUNIOR HIGH SCHOOL SCIENCE TEACHERS

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ABSTRACT

This activity aims to provide the provision of ways to develop environmental-based science and motivation practices for Junior High School (JHS) science teachers in Sleman Regency to bring creativity about environmental-based science practices that can be applied in their respective schools.

As a target for this community program, there are 20 science teachers for each JHS, both from public and private JHS in Sleman regency which are selected with consideration from the Head of the Sleman District JHS (called MGMP). These activities were held in three meetings, namely on Saturday (11 August 2018) at SMPN 2 Mlati, Saturday (15 September 2018) in Room D. 07.107

FMIPA UNY, and Saturday (22 September 2018) took place at the Biology Laboratory of FMIPA UNY attended by 18 public and private JHS science teachers. At the first meeting, socialization of activities was carried out from 13.00 - 15.30 WIB, while the second and third meetings were held from 08.00 - 16.00 WIB. The training uses lectures, discussions, and questions and answers about issues related to the science lab, tips on creating an environmental science-based practicum in JHS, preparation of practicum instructions, and the practice of designing experiments individually and conducting group experiments directly based on the tools and materials provided. The Team then presented it.

Based on the results of the assessment carried out, including the assessment of skills in the presentation of the experimental design and assessment of the quality of the experimental design that was arranged individually, both were in the category of very good with a mean of 87.1% and 90 respectively, 25%. The results of the assessment of the participants' presentation and demonstration in groups with the tools and materials provided by the Team were in the very good (90.8%) category. The results of the post-test mastery of the participants' training material obtained an average score of 72.8 (more than 70), and the attendance of the participants was 90%, so that based on the determined success benchmarks, this program could be implemented properly. In general this activity was successful and on target, it was proven that participants were very enthusiastic in participating in activities from beginning to end and all participants stated that these activities were useful. The hope is that the participants who attend are willing to pass on their knowledge to other teachers in their schools and other schools.

Kata Kunci: *training, natural science, environmental science, JHS science teacher.*