

DEVELOPMENT OF NEW LITERATE TEACHERS THROUGH ANDROID-BASED DIGITAL FILM TRAINING FOR SCIENCE-BASED LEARNING LEARNING IN THE FIRST MIDDLE CHARACTER SCHOOL

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ABSTRACT

In the face of the 4.0 industrial revolution or the disruption era, "new literacy" was needed in addition to the old literacy. The old literacy that is currently used as a capital for acting in people's lives. Old literacy includes Calistung's competence. While new literacy includes data literacy, technology literacy and human literacy. Data literacy is related to the ability to read, analyze and make thinking conclusions based on data and information (big data) obtained. Related to that, it is necessary to make efforts to increase the literacy of Natural Sciences teachers (IPA), especially in the development of New Literate Teachers through Digital Film Based on Android Training for Science Learning Based on the Character Value of Pancasila in Junior High Schools. The purpose of this service program (PPM) is to improve the mastery of the competencies of junior high school science teachers in Gunung Kidul-Yogyakarta in the development of Android-based Digital Films for Science Learning Based on the Character Value of Pancasila.

The service was carried out in the workshop and mentoring design starting from the explanation of the development of New Literate Teachers through Android-Based Digital Film Training for Science Learning Based on Pancasila Character Values ??in Junior High Schools, conducting validation and assessment trials in learning classes, and applying the questions in all science learning in junior high school. Activities evaluation is carried out both from the aspect of the process (workshop and mentoring) and product aspects (conducting tests on scientific literacy skills of students who are treated or tested). At the implementation stage in the field, it will be carried out by conducting collaborative partnerships with the SMP Science MGMP in Gunung Kidul District, Yogyakarta Special Region. Percentage of service team activities and teacher activities that occur during the Training process. The percentage of service team activities ranges from 12.5% ??to 35%. The most dominant team activity is to explain the Training material, which is 30.5% and try an additional example of 26.5%. while the least activity is giving 9% feedback and stimulating 7.5% of active involvement. While teacher activity is dominated by activities Listening / paying attention to the explanation of the resource person or other teachers 36.5% and the least is asking questions 11.5% and writing important things 25.5%.

Kata Kunci: *new literacy, android system, nature science, Value of Pancasila*