

Improving Teacher Competence in the Era of Society 5.0 through a Workshop on Preparation of E-Worksheet Integrated with Local Potentials in Science Learning

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ABSTRACT

Digitalization and artificial intelligence dominate all human lives that change human civilization today in the Era of Society 5.0. Teachers must be technology literate to develop a learning process that still activates students to practice the skills needed in the era of society 5.0 without leaving the existing cultural character. So in learning it is necessary to integrate local culture or local potential so that students still uphold the culture around them and apply science concepts to everyday life. The objectives of this activity are to (1) disseminate the results of research from the service team on the integration of local potential in science learning; (2) Improve teacher skills in integrating local potential in science learning; (3) Increase teacher creativity in developing digital versions of teaching materials in the form of local potential-based science LPD as an innovation in learning. Participants in this activity were 29 teachers who were members of MGMMP IPA MTs Sleman Regency. This activity was carried out through three stages, including the theoretical training stage, the workshop for preparing digital teaching materials based on local potential, and the evaluation stage. The methods used in this activity are brainstorming, lectures, discussions, workshops, and simulations. The results of the activity show that this research-based PPM activity has succeeded in achieving the activity target, namely most of the participants have been skilled in integrating local potential and developing a digital version of teaching materials in the form of worksheets. Some participants are creative in developing LKPDs that integrate Local Wisdom and can use them in learning. The results of the activity are expected that Muhammadiyah junior high school science teachers in Sleman Regency can increase their competence in conducting learning with local potential with the E-Worksheet media prepared.

Kata Kunci: *Workshop, E-Worksheet, Local Wisdom*