

CLOUD COMPUTING-BASED COLLABORATIVE LEARNING APPLICATION TRAINING FOR GEOGRAPHY TEACHERS

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ABSTRACT

This community service aims to improve the ability of geography teachers in designing cloud computing-based interactive and collaborative learning for geography teachers in an effort to improve their professionalism.

The service method which was originally designed in the form of offline training was changed to online through webinar and zoom meeting formats. The webinar format is held for limited public collaboration with other PPM teams in the Department which will be held on June 23, 2021, attended by 206 participants. The second service was in the form of a zoom meeting at the Klaten Regency MGMP on July 8, 2021. Training materials were provided by resource persons from the service team as geography education experts. Almost all participants use google-based cloud computing (90%) so that it is relevant to the training material that focuses on the use of "google classroom (GC)" as an online class template.

The results of the evaluation are known: (1) the average attendance of participants in the activities for all sessions is above 85%. (2) The initial description of the ability of participants before and after participating in service activities has increased: (a) 58% of participants who have never used GC become able to operate even though they have never designed it. (b) 68% of participants are familiar with the applications in GC as supporting GC. (3) The description of the ability of participants after the training is that most of the participants ($\geq 80\%$) are able to make GC as a vehicle for interactive and collaborative learning. (4) The level of satisfaction in the training, some participants ($\geq 76\%$) expressed a sense of "satisfaction" to "very satisfied" with the implementation of service because it provides benefits to learning. (5) During the implementation of the training activities, no significant obstacles were found, because the program could be implemented according to plan. Participants gave a positive response to the continuation of the advanced level training program.

Kata Kunci: *geography, online, collaborative learning, cloud computing, community service*