

E-LEARNING SYSTEM TRAINING FOR MADRASAH ALIYAH BIOLOGY TEACHERS IN SPECIAL REGION OF YOGYAKARTA

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ABSTRACT

There is a demand for the use of online learning during and after the Covid-19 pandemic, resulting in demands for teachers to be able to prepare and implement an e-learning system, including for biology teachers at Madrasah Aliyah in the Special Region of Yogyakarta (MA DIY). However, in fact, there are still many biology teachers at MA DIY who do not yet have the ability to apply the e-learning system, let alone prepare it. For this reason, the Community Service Program (PPM) in order to provide training to biology teachers both on how to prepare and implement an e-learning system in biology learning is considered very important. This PPM program involves biology teachers from MA DIY as the target community. PPM activities are carried out in the form of workshops, independent work, and practice. The workshop is aimed at strengthening understanding of the basic principles of e-learning and its supporting materials or tools, including the Learning Management System (LMS). Independent work is directed to provide opportunities for teachers, either individually or in groups, to identify and capture objects of living environments and their activities that can be converted into e-learning content. Meanwhile, practice is directed at facilitating PPM participants to practice how to "sew" e-learning content into LMS and how to use it in biology learning. The workshop is held at the UNY postgraduate campus. Independent work activities are carried out at home and / or at school. Practical activities are carried out on campus and in schools that already have and use an LMS. Practical activities cannot be carried out in schools or on campus offline, due to the increasingly massive Covid-19 pandemic, and instead, practical activities are carried out in virtual form. The PPM program, which has been implemented for about 2 months effectively, has succeeded in increasing teachers' understanding. Intensive discussion and question and answer activities in the workshop and also through the WhatApps (WA) post-workshop, significantly increased the knowledge and understanding of the PPM teacher-participants about the meaning and function of the e-learning system. Through independent work and practice, the participants also increased their ability to capture objects as LMS content and apply them in learning

Kata Kunci: community service program 2020, biology teacher MA DIY, e-learning system