

PKM FOR VOCATIONAL SCHOOL TEACHERS IN THE FIELD OF TECHNOLOGY AND ENGINEERING IN IMPROVING THE SKILLS OF ARRANGING ELECTRONIC TEACHING MATERIALS

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ABSTRACT

In the new normal era, vocational teachers are required to develop electronic teaching materials to be applied to online learning. This service aims to: (1) increase the understanding and insight of teachers about the concepts and best practices of implementing online learning; (2) improve the ability of teachers in designing, implementing, reflecting, redesigning, and observing the online learning process; and (3) providing knowledge and skills in designing android-based learning. The methods used in strengthening this competency are online tutorials as well as guidance and monitoring. The location of this activity will be held at the Faculty of Engineering, UNY. There were 291 training registrants from various regions throughout Indonesia. There are 230 applicants who meet the criteria and are accepted as participants who are SMK teachers in the field of Technology and Engineering. Participants are then given an official invitation attached with the event rundown. There were 168 participants who attended the material session 1. There were 180 participants who attended material session 2. There were 138 participants who attended material 3 session. This activity was opened with the socialization of the Association of Indonesian Vocational Lecturers and Teachers (ADGVI) and the socialization of the Mechanical Engineering Education Master's Degree Study Program. The training materials include: (1) KI & KD analysis for the manufacture of electronic teaching materials, (2) online learning structure; and (3) Making Teaching Materials Using the Sigil Application. Participants are given the opportunity to practice/guided practice making electronic teaching materials with the sigil application accompanied by resource persons. Furthermore, the participants were given an independent task, namely making electronic teaching materials for 1 basic competency. Tutorials and monitoring are carried out through the Whatsapp Group. The success of this training activity is measured by the process and results of the PPM training. The success of the process is measured by observing several aspects: (1) attendance, (2) commitment attitude, and (3) responses/feedback of training participants and committees. Assessment results are measured from the collection of assignments in the form of EPUB-based electronic teaching materials for android. Training participants are expected to be able to transmit and disseminate this PkM material, both to teachers in one school and to teachers in other schools.

Kata Kunci: vocational teacher training, online learning, electronic teaching materials