

INCREASING TEACHER COMPETENCY THROUGH CAD TRAINING IN VOCATIONAL SCHOOLS IN THE BANYUMAS DISTRICT, CENTRAL JAVA

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ABSTRACT

The objectives of the CAD Drawing Engineering training activities as effort increase competence vocational school teacher in the Banyumas district . Apart from that, you also need to know achievement results of vocational school teacher training in the Banyumas district scheme CAD so that it can help learning in class.

The method for implementing training activities is through counseling with lectures, discussions and practice, to provide understanding, insight and attitudes and increase competence. Implementation of theoretical and practical training materials (2 days) was carried out at STT Wiworotomo Purwokerto. The PPM participants are teachers and lecturers in the field of mechanical engineering in the Banyumas district area. This PPM activity is limited to 25 participants from 5 universities and 5 vocational schools and those in the Banyumas district and surrounding areas .

The results of the activity showed that the participants were able to understand the importance of CAD competency for participants . Participants showed high enthusiasm so that it could be applied in the work process in workshops and laboratories. The implementation of PPM activities in the form of computer-based drawing practice with the Fusion 360 program for participants can be said to be quite successful in providing understanding and skills for teachers and lecturers regarding the urgency, characteristics and stages of CAD drawing. This is indicated by the response of participants who can participate in training activities enthusiastically and critically in asking questions related to the image design process and being able to solve design problems .

Kata Kunci: *training, competency, CAD*