

TRANSFORMASI BUDAYA KERJA INDUSTRI MENGGUNAKAN MODEL BASED DEFINITION

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ABSTRACT

INDUSTRIAL WORK CULTURE TRANSFORMATION USING MODEL BASED DEFINITION

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ABSTRACT

This community service raised the topic of Industrial Work Culture Transformation Using a Model-Based Definition (MBD). The objectives of this community service are to (1) carry out training to improve the competence of SMK teachers in utilizing Model-based Definition (MBD) based of Product and Manufacturing Information (PMI), (2) apply PMI-based MBD in learning engineering drawings using software of Computer Aided Design (CAD).

The training is carried out online using standard material from the National Institute of Standards and Technology (NIST). The training was attended by 88 participants from various regions, consisting of vocational teachers, lecturers, and industry practitioners. The steps taken in the implementation of the training are: (1) reviewing the theory of mechanical engineering design and manufacturing, (2) reviewing MBD and PMI, (3) mentoring PMI-based MBD applications through online training, and the use of video tutorials.

The results of the training are presented as follows. (1) Based on the opinions of participants who assessed the training from the elements of the presenters, materials, implementation, and benefits, the mean score was 4.72 (very good). (2) The application of training is carried out by including PMI-based MBD material in the lesson plan (RPP) to be implemented during the lesson.
Keywords: Training, Model-based Definition, Product and Manufacturing Information

Kata Kunci: *Training, Model-based Definition, Product and Manufacturing Information*