

APPLICATION AND MODELING SOFTWARE STRUCTURE ANALYSIS SAP 2000 BASED ON LATEST SNI

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ABSTRACT

The purpose of community service activity is to provide knowledge and skill to teachers and students of building department SMKN 2 Wonosari in order to improve the quality of teaching materials analysis of steel structure and concrete using SAP 2000 software based on the latest SNI. PPM activities in the form of training conducted by scientific approach (scientific) with tutorial method. With this approach, obtained a double value of knowledge / skills transfer and learning model with a scientific approach. The number of participants is 16 teachers and 10 students of class XII majoring in building drawing techniques. This activity was conducted from 18 s.d. 22 September 2017 (for 32 hours), at SMKN 2 Wonosari. The material presented is (1) Practical theory of steel and concrete structures supporting SAP 2000 program applications (2) Practice using SAP 2000 program to analyze the structure of steel horses, steel gable structure, 2-storey building structure of reinforced concrete (3) Independent task. The results of the activities show that (1) the teachers and students are very enthusiastic about the training shown by the seriousness and the desire of the training again. (2) Teachers and students skillfully operate SAP 2000 programs based on observations and self-directed outcomes. (3) Based on evaluation sheets provided by participants, this PPM activity is very useful and fun.

Kata Kunci: *SAP 2000, SMKN 2 Wonosari, training*