

# **Pelatihan Building Information and Modelling bagi Guru-Guru SMK Jurusan Teknik Gambar Bangunan di DIY**

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## **ABSTRACT**

The drawing is an integral part of the architecture and engineering activities. The drawing is an important media that is used for designing problem solving and coordination and communication with the client and the contractor. The drawing also has other important consumption related to the building including financial experts, supervisors building standards and provider construction material. Drawings used in running the operational facilities, in planning maintenance, renovation and the use of the function of the building. The progress is happening now, the execution of construction projects will always focus on how the initial design was made. So in this case the design of the early (drawing) will play an important role in determining whether the construction of the project will be done without any problems or not. The thoroughness in determining the points of the problem is crucial to be found during the design stages. So that the problems that occurred in the field can in minimizes. Sharing your (hardware and software) that adequate will be able to help minimize the initial problems that appears.

Target group also participate in achieving business activity program dedication to this community. As audiences are targeted namely SMK (vocational school) teachers who taught subjects drawings of the building. Announcement of the election of this goal is an effort to participate in the training there is a sense of responsibility which is full to be able to absorb the knowledge and skills of the training. Further than that the training results from this PPM will be seen as a result after the participants control the technology training, can be applied to the students in their schools. To solve the problems faced in the PPM program was then in select some troubleshooting method as follows : (1) shop talk, (2) demonstrations, (3) supervision, and (4) self exercise.

Some things that can be deduced from the activities of this devotion among others : (1) with the existence of the new competency spectrum at SMK, then giving the latest materials/latest will provide a useful refresher for teachers. (2) BIM is a new concept which then adopted into one of the existing competency spectrum at SMK, thereby providing materials about BIM will open insights for teachers in these sycophants then. (3) training delivery BIM for teachers will provide benefits to the future to teach BIM to SMK students in accordance with the new competency spectrum. (4) training delivery BIM for 5 days give significant results in improving the competency of teachers these sycophants then subjects drawing technique building in Yogyakarta Province. (5) Although initially the majority of the participants in the training has never been using BIM in teaching the technique drawings in the classroom, but the spirit of the participants to be able to improve the quality and the quality of learning in class is encouraged by the existence of this training.

*Kata Kunci: building drawing, BIM, vocational school teacher*