

## ABSTRAK

### STUDI RELEVANSI MATERI MATA KULIAH GAMBAR TEKNIK DAN MATERI MATA PELAJARAN PRODUKTIF SMK PROGRAM KEAHLIAN GAMBAR TEKNIK DENGAN MATERI STANDAR UJI KOMPETENSI

Gambar Teknik sebagai bagian dari ilmu dalam bidang keteknikan, yang dipelajari baik oleh SMK teknologi salah satunya program Keahlian Gambar Teknik, maupun dalam perkuliahan khususnya di Departemen Pendidikan Teknik Mesin FPTK UPI, meskipun sama-sama dipelajari sejauh ini belum dilakukan pemetaan sekuen materi gambar teknik dan relevansi antara Gambar Teknik yang dipelajari di perkuliahan dengan yang dipelajari di SMK. Dunia SMK yang dihadapkan dengan Uji Kompetensi Keahlian khususnya pada Program Keahlian Gambar Teknik menjadikan mahasiswa pun semestinya mampu melaksanakan hal yang sama, sebagai tolak ukur kompetensi yang dimilikinya pada bidang keahlian tertentu, meskipun sejauh ini belum dilakukan. Prinsip relevansi merupakan salah satu dari prinsip pengembangan kurikulum, sebagai pedoman agar kurikulum terus selaras dengan perkembangan jaman. Penelitian ini dilakukan untuk menghasilkan deskripsi relevansi materi, dan pemetaan sekuen dari ketiga materi Gambar Teknik yang terdapat di perkuliahan, SMK Teknologi dan Uji Kompetensi. Metode penelitian yang digunakan adalah evaluasi dengan pendekatan *discrepancy*. Relevansi materi antara Mata Kuliah Gambar Teknik, Mata Pelajaran Produktif Gambar Teknik dan Uji Kompetensi Keahlian Gambar Teknik dan pemetaan materi diperoleh melalui hasil penelitian yang kemudian dipaparkan dan dibahas. Materi Mata Kuliah Gambar Teknik sudah mendukung (100%) sepenuhnya pada materi Mata Pelajaran Produktif Gambar Teknik di SMK, tetapi Mata Pelajaran Produktif Gambar Teknik tidak sepenuhnya (85%) mendukung materi yang terdapat di Mata Kuliah Gambar Teknik, dan keduanya sudah mendukung seraca utuh (100%) pada materi Standar Uji Kompetensi Gambar Teknik.

Kata kunci: Relevansi, Pemetaan Materi, Gambar Teknik, Mata Pelajaran Produktif, Mata Kuliah, Standar Uji Kompetensi

Hamdan, 2014

*Studi relevansi materi mata kuliah gambar teknik dan materi mata pelajaran produktif SMK program keahlian gambar teknik dengan materi standar uji kompetensi*

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### **Relevance Study of Engineering Drawing Course and Vocational High School Productive Subject of Engineering Drawing Major with Competency Test Standard**

Engineering Drawing as part of study fields in engineering, which is learned not only by engineering vocational high school students such as Engineering Drawing major, but also university students especially Mechanical Engineering Education Department of FPTK UPI, although it is learnt by both engineering drawing major and mechanical engineering education department students but there has not been conducted material sequence mapping of engineering drawing subject and the relevancy between engineering drawing which is learnt in university and vocational high school. Vocational high school students have to take competency test especially in Engineering Drawing Major, in which it gives assumption that university students are expected to be able to do the same, as competence measure which should be acquired in specific competency, even though it has not been done thus far. Relevancy principle is one of the curriculum developmental principles, as a compass that it is to be in accordance with the world development. This study was conducted to obtain the description of the subject relevancy, and sequence mapping of the three materials of engineering drawing in the university, engineering vocational high school and competency test. The method that is used in this study is evaluation with discrepancy approach. Material relevancy between Engineering Drawing Course, the Engineering Drawing Productive Subject and competency test of engineering drawing and contents material mapping were obtained from the research which then be presented and analyzed. The course material of engineering drawing had completely supported (100%) toward the subject material of engineering drawing in vocational high school, however the engineering drawing productive subject was not totally (85%) support the contents material which is included in engineering drawing course, and both of them had totally supported (100%) toward the contents material in engineering drawing standard competency test.

Keywords: relevance, material mapping, engineering drawing, productive subject, course, competency standard test.

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