PENGEMBANGAN *JOB SHEET* MATA KULIAH GAMBAR TEKNIK DI JURUSAN PENDIDIKAN TEKNIK MESIN UNY

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ABSTRAK

Penelitian ini bertujuan untuk 1) Mengembangkan *job sheet* mata kuliah gambar teknik di Jurusan Pendidikan Teknik Mesin (JPTM) UNY, 2) Menguji kelayakan *job sheet* mata kuliah gambar teknik yang telah dihasilkan.

Metode penelitian yang digunakan adalah penelitian dan pengembangan (*Research and Development*) dengan model pengembangan *Four-D Models* oleh Thiagaradjan. Model *Four-D* terdiri dari 4 tahap, yaitu: 1) Pendefinisian (*Define*), 2) Desain (*Design*), 3) Pengembangan (*Develop*), 4) Penyebaran (*Disseminate*). Pada tahap *Disseminate* atau Penyebaran hanya dilakukan di JPTM UNY karena luang lingkup penelitian yang sempit. Instrumen yang digunakan merupakan instrumen non tes berupa angket dengan skala *Likert* dengan 4 pilihan jawaban. Angket divalidasi oleh dosen ahli. Angket digunakan untuk validasi dosen ahli materi, dosen ahli media dan angket respon mahasiswa. Tingkat kelayakan *job sheet* ditinjau dari aspek materi dan media, data hasil angket dianalisis menggunakan teknik analisis deskriptif kuantitatif.

Berdasarkan hasil penelitian yang telah dilakukan: 1) Tersusunnya *job sheet* mata kuliah gambar teknik sesuai dengan Rencana Pembelajaran Semester (RPS) dan Sub CPMK yang ada di JPTM UNY, terdiri dari 43 tugas gambar yang terbagi menjadi 13 bagian, 2) Uji tingkat kelayakan *job sheet* mata kuliah gambar teknik dari validasi dosen ahli materi, dosen ahli media dan respon mahasiswa dinyatakan pada kategori “sangat layak”.

Kata kunci: Penelitian Pengembangan, *Job Sheet*, Gambar Teknik.

DEVELOPMENT OF JOB SHEET FOR ENGINEERING DRAWING COURSE IN DEPARTMENT OF MECHANICAL ENGINEERING EDUCATION UNY

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ABSTRACT

This study aims to 1) Develop a job sheet for engineering drawing course in the Department of Mechanical Engineering Education (JPTM) of UNY, 2) Test the feasibility of job sheet engineering drawing course that has been produced.

The study used research and development method with the development model of Four-D Models by Thiagaradjan. The Four-D model consists of 4 stages, namely: 1) Define, 2) Design, 3) Develop, and 4) Disseminate. On the Disseminate stage or Spread is only done at the JPTM UNY because of the narrow scope of research. The study used a non-test instrument in the form of a questionnaire in the Likert scale with 4 answer choices. Questionnaires were validated by expert lecturers. Questionnaires were used to validate material expert lecturers, media expert lecturers, and student response questionnaires. The level of feasibility of job sheets reviewed from material and media aspects, while questionnaire results data were analyzed using quantitative descriptive analysis techniques.

In conclusion, based on the results of the study are: 1) Job sheet for engineering drawing course in accordance with the “Rencana Pembelajaran Semester” (RPS) and Sub CPMK in JPTM UNY which consists of 43 drawing tasks divided into 13 parts, 2) The feasibility level test of job sheet for engineering drawing course from lecturer validation material experts, media expert lecturers, and student responses stated in the "very decent" category.

Keywords: Development Research, Job Sheet, Engineering Drawing.