

PENGEMBANGAN LEMBAR KERJA SISWA PADA MATA PELAJARAN MEKANIKA TEKNIK BERBASIS KONTEKSTUAL DI SMK NEGERI 2 KLATEN

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ABSTRAK

Penelitian Tugas Akhir Skripsi ini bertujuan untuk: (1) Mengembangkan tahapan pembuatan lembar kerja siswa pada mata pelajaran Mekanika Teknik berbasis kontekstual di SMK Negeri 2 Klaten, (2) Mengetahui tingkat kelayakan lembar kerja siswa pada mata pelajaran Mekanika Teknik berbasis kontekstual di SMK Negeri 2 Klaten berdasarkan persepsi ahli materi, ahli media, guru, dan siswa.

Penelitian ini merupakan penelitian *Research and Development* (R&D) yang mengacu pada model pengembangan Thiagarajan yaitu *4D models*. Terdapat empat tahapan, yaitu (1) Pendefinisian, (2) Perancangan, (3) Pengembangan, (4) Penyebaran. Metode pengumpulan data menggunakan angket penilaian ahli dan analisis data dilakukan dengan teknik analisis data deskriptif kuantitatif. Penelitian ini dilaksanakan di SMK Negeri 2 Klaten pada Kompetensi Keahlian Konstruksi Gedung, Sanitasi dan Perawatan Kelas X.

Berdasarkan hasil penelitian diperoleh bahwa: (1) Telah dikembangkan lembar kerja siswa berbasis kontekstual pada mata pelajaran Mekanika Teknik materi memahami dan menyusun gaya dalam struktur bangunan dengan model pengembangan 4D (*define, design, develop, disseminate*). (2) Kelayakan lembar kerja siswa berdasarkan hasil validasi dosen ahli media mendapat skor 77,63 dengan kategori sangat layak. Sedangkan hasil validasi lembar kerja siswa berdasarkan dosen ahli materi mendapat skor 89 dengan kategori sangat layak. Adapun hasil validasi lembar kerja siswa oleh guru dari segi materi memberikan skor 81 dengan kategori sangat layak dan dari segi media guru memberikan skor 89,47 dengan kategori sangat layak. Sementara itu, penilaian lembar kerja siswa oleh peserta didik diperoleh skor 79,47 dengan kategori sangat layak.

Kata kunci: lembar kerja siswa, mekanika teknik, SMK Negeri 2 Klaten

THE DEVELOPING OF CONTEXTUAL MECHANICAL ENGINEERING WORKSHEET BASED ON AT SMK N 2 KLATEN TEN

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ABSTRACT

The aims of this study were to (1) develop of contextual mechanical engineering worksheet based on at SMK N 2 Klaten and (2) evaluate feasibility of the worksheet based on experts', practicans' (teacher), and stundents' perception.

This study was a R&D method which this method based on Thiagarajan Model. There are four steps at Thiagarajan Model: (1) define, (2) design, (3) develop, and (4) diseminate. The data of this study collected by using quitionnnare for expert judgement and students' reponses and quantitative descriptive method was used for analiting the data. This study was held in SMK N 2 Klaten of expertise competence construction building, plumbing, and maintenance, X class.

The results of this study found that (1) the trial of developing contextual stundents' mechanical engineering worksheet have succeed (2) this workshhet has several feasibility level score. First from substantial expert judgement this worksheet have reached 89 point which meant this worksheet very decent to used for students. Second, from media and graphic design expert judgement this worksheet has reached 77.63 point that have very decent category. Third, from substantial and media and graphic design practican (teacher) judgement this worksheet has reached 81 amd 89.49 point that meant this worksheet has very decent level for using in class. (3) the reponses of student have 79,49 point with very decent catagory.

Keywords: worksheet, mechanical engineering, SMK Negeri 2 Klaten