

Universitas Ngudi Waluyo
Fakultas Komputer dan Pendidikan
Program Studi Pendidikan Vokasional Desain Fashion
Skripsi, Oktober 2025
Dian Afnita Sari
192241003

**EFEKTIVITAS TEACHING FACTORY UNTUK MENINGKATKAN
KOMPETENSI MENJAHIT PRODUK BUSANA INDUSTRI PADA SISWA
KELAS XI DPB DI SMK KY AGENG GIRI**

ABSTRAK

Penelitian ini dilakukan untuk mengkaji efektivitas penerapan model Teaching Factory (TEFA) berbasis Project-Based Learning dalam meningkatkan kemampuan menjahit produk busana sesuai standar industri pada peserta didik kelas XI Program Desain dan Produksi Busana di SMK Ky Ageng Giri. Metode penelitian menggunakan desain *quasi experiment* dengan pendekatan pretest–posttest yang melibatkan 21 siswa. Data dikumpulkan melalui tes kinerja, observasi proses kerja, serta wawancara, dan dianalisis menggunakan teknik deskriptif serta inferensial. Hasil penelitian menunjukkan adanya peningkatan yang signifikan pada keterampilan teknis, khususnya ketelitian cutting, kualitas konstruksi jahitan, dan efisiensi waktu penyelesaian, yang ditunjukkan oleh kenaikan nilai rata-rata dari 70,27 menjadi 92. Selain itu, penguatan soft skills juga meningkat sebesar 48,3%, dan 90% peserta didik mampu mencapai Kriteria Ketuntasan Minimal. Secara keseluruhan, temuan ini menegaskan bahwa penerapan TEFA terbukti efektif dalam mengembangkan kompetensi teknis serta membentuk budaya kerja industri pada siswa.

Kata Kunci : *Teaching Factory*, Kompetensi Menjahit, *Project-Based Learning*, Standar Industri, SMK.

*Ngudi Waluyo University
Faculty of Computers and Education
Fashion Design Vocational Education Study Program
Skripsi, October 2025
Dian Afrita Sari
192241003*

***THE EFFECTIVENESS OF TEACHING FACTORY MODEL IN
ENHANCING INDUSTRIAL GARMENT SEWING COMPETENCE AMONG
GRADE XI FASHION DESIGN STUDENT AT SMK KY AGENG GIRI***

ABSTRACT

This study aims to analyze the effectiveness of the Teaching Factory (TEFA) model based on Project-Based Learning in improving industrial-standard garment sewing competencies among 11th-grade students of the Fashion Design and Production program at SMK Ky Ageng Giri. The research employed a quasi-experimental design using a pretest–posttest technique involving 21 participants. Data were collected through performance tests, classroom observations, and interviews, and were analyzed using both descriptive and inferential methods.

The findings indicate a significant improvement in technical skills, particularly in cutting accuracy, stitch quality, and production efficiency, as reflected in the increase of the average score from 70.27 to 92. Additionally, students' soft skills improved by 48.3%, and 90% of the participants successfully met the minimum competency criteria. Overall, the results confirm that TEFA is effective in enhancing both technical proficiency and industrial work culture among vocational students.

Keywords : *Teaching Factory, Sewing Competence, Project-Based Learning, Industry Standards, Vocational School (SMK)*