

ABSTRAK

Aldo Samuel Simanjuntak: Pengaruh Displin Belajar Dan Pemahaman Gambar Teknik Terhadap Hasil Belajar Pengelasan Las Mig Pada Siswa Kelas XI Di Smk Negeri 2 Medan. Skripsi. Fakultas Teknik Universitas Negeri Medan. 2025.

Riset berikut mengkaji pengaruh disiplin belajar dan pemahaman gambar teknik kepada output ajar las MIG kepada siswa rombel XI SMKN 2 Medan. Dengan memakai metode perhitungan dan desain *ex post facto*, sampel sebanyak 33 siswa dipilih secara acak dari populasi 50 siswa. Instrumen penelitian meliputi angket untuk mengukur disiplin belajar, tes objektif untuk mengevaluasi pemahaman gambar teknik, serta bukti skor output ajar. Output riset mengindikasikan jika disiplin belajar dan pemahaman gambar teknik berkontribusi signifikan terhadap peningkatan hasil belajar. Uji F menghasilkan nilai 22,425 dengan signifikansi 0,0 ($p < 0,05$) dengan koef determinan (R^2) sebesar 59,9%, yang artinya lebih dari setengah variasi nilai hasil menuntut ilmu mampu dipaparkan melalui dua elemen berikut. Berdasarkan temuan ini, disarankan agar peningkatan kedisiplinan dan pemahaman teknis dijadikan fokus utama dalam upaya optimalisasi pembelajaran las MIG di lingkungan SMK.

Kata Kunci: Gambar Teknik, Las MIG, Hasil Belajar

ABSTRACT

Aldo Samuel Simanjuntak: *The Effect of Learning Discipline and Understanding of Technical Drawings on Mig Welding Learning Outcomes in Class XI Students at Smk Negeri 2 Medan. Thesis. Faculty of Engineering, State University of Medan. 2025.*

The following research examines the influence of learning discipline and understanding of technical drawings on the teaching output of MIG welding for students in class XI of SMKN 2 Medan. Using the calculation method and ex post facto design, a sample of 33 students was randomly selected from a population of 50 students. The research instruments included questionnaires to measure learning discipline, objective tests to evaluate technical drawing comprehension, and evidence of teaching output scores. The research output indicates that learning discipline and understanding of technical drawings contribute significantly to improving learning outcomes. The F test yielded a value of 22.425 with a significance of 0.0 ($p < 0.05$) with a coefficient of determination (R^2) of 59.9%, which means that more than half of the variation in learning outcome scores can be explained by these two elements. Based on these findings, it is recommended that improving discipline and technical understanding be the main focus in efforts to optimize MIG welding learning in the SMK environment.

Keywords: *Technical Drawing, MIG Welding, Learning Outcomes.*