

ABSTRAK

Ari Perdana Putra Purba: Analisis Implementasi Sistem Manajemen Keselamatan Dan Kesehatan Kerja Di *Workshop* Teknik Pemesinan SMK Negeri 1 Lubuk Pakam Skripsi. Fakultas Teknik Universitas Negeri Medan. 2026.

Penelitian ini bertujuan untuk menganalisis implementasi Sistem Manajemen Keselamatan dan Kesehatan Kerja (SMK3), penerapan prosedur K3 oleh siswa, serta kendala yang dihadapi dalam pelaksanaannya di *Workshop* Teknik Pemesinan SMK Negeri 1 Lubuk Pakam. Penelitian menggunakan metode deskriptif kuantitatif dengan pendekatan studi kasus. Subjek penelitian adalah seluruh siswa kelas XI Teknik Pemesinan yang berjumlah 67 orang dengan teknik total sampling. Pengumpulan data dilakukan melalui angket dan observasi, kemudian dianalisis menggunakan statistik deskriptif berupa persentase. Hasil penelitian menunjukkan bahwa implementasi SMK3 di *workshop* secara umum berada pada kategori baik, ditandai dengan adanya aturan keselamatan kerja, pengawasan guru, kondisi lingkungan *workshop* yang mendukung, penggunaan mesin yang relatif aman, serta tersedianya fasilitas keselamatan kerja. Penerapan prosedur K3 oleh siswa juga tergolong baik, meskipun penggunaan alat pelindung diri (APD) secara lengkap dan konsisten masih perlu ditingkatkan. Kendala yang ditemukan meliputi rendahnya kedisiplinan sebagian siswa dalam penggunaan APD, keterbatasan beberapa fasilitas keselamatan, serta belum optimalnya kesiapsiagaan terhadap kondisi darurat.

Kata Kunci: Implementasi, Sistem Manajemen, Keselamatan dan Kesehatan Kerja (K3), *Workshop*, Teknik Pemesinan, Sekolah Menengah Kejuruan (SMK).



ABSTRACT

Ari Perdana Putra Purba: Analysis of the Implementation of Occupational Safety and Health Management System in the Mechanical Engineering Workshop of SMK Negeri 1 Lubuk Pakam Thesis. Faculty of Engineering, State University of Medan. 2026.

This study aimed to analyze the implementation of the Occupational Safety and Health Management System (OSHMS), the application of occupational safety and health (OSH) procedures by students, and the challenges encountered in its implementation in the Machining Workshop of SMK Negeri 1 Lubuk Pakam. The research employed a quantitative descriptive method with a case study approach. The subjects consisted of all 67 eleventh-grade students of the Machining Engineering program selected through total sampling. Data were collected using questionnaires and observations and analyzed through descriptive statistics in the form of percentages. The findings revealed that the implementation of OSHMS in the workshop was generally categorized as good, as indicated by the existence of safety regulations, teacher supervision, a supportive workshop environment, relatively safe machine operation, and the availability of safety facilities. The application of OSH procedures by students was also classified as good; however, the consistent and complete use of personal protective equipment (PPE) still requires improvement. The main challenges identified included students' lack of discipline in using PPE, limited safety facilities, and inadequate emergency preparedness.

Keywords: *Implementation, Management System, Occupational Safety and Health (K3), Workshop, Machining Engineering, Vocational High School (SMK).*

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