

ANALISIS PENGELOLAAN LABORATORIUM KIMIA DI SMA NEGERI 1 SAWAN

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ABSTRAK

Penelitian ini bertujuan untuk mendeskripsikan dan menjelaskan (1) pengelolaan alat dan bahan laboratorium kimia di SMA Negeri 1 Sawan, dan (2) prosedur keselamatan kerja laboratorium kimia di SMA Negeri 1 Sawan. Penelitian ini adalah jenis penelitian fenomenologi dengan pendekatan kualitatif. Subjek dalam penelitian ini adalah kepala laboratorium, laboran, guru kimia, kepala sekolah, wakil kepala sekolah bidang sarana prasarana, dan siswa. Metode pengumpulan data dilakukan dengan observasi, kuisisioner, wawancara dan studi dokumen. Uji keabsahan data dalam penelitian ini menggunakan triangulasi sumber dan triangulasi teknik. Data dianalisis menggunakan teknik deskriptif kualitatif. Hasil penelitian ini menunjukkan bahwa (1) pengelolaan alat dan bahan praktikum kimia belum dilaksanakan dengan optimal dilihat dari aspek (a) perencanaan pengadaan sudah dilaksanakan sesuai peraturan, (b) aspek pengadaan mengalami keterbatasan dana, (c) aspek penggunaan yaitu keterbatasan waktu, kesiapan siswa dan keterbatasan alat dan bahan, (d) aspek pemeliharaan dan inventarisasi terkendala minimnya waktu dan kompetensi laboran yang tidak memadai, dan (e) aspek pemusnahan yaitu pemahaman guru yang kurang dan belum memiliki sarana pemusnahan. Aspek-aspek pengelolaan alat dan bahan laboratorium kimia berimplikasi terhadap kegiatan praktikum yang tidak dapat terlaksana di laboratorium. (2) Kondisi kesehatan dan keselamatan kerja di laboratorium kimia belum optimal.

Kata kunci: pengelolaan, laboratorium kimia, alat dan bahan kimia, keselamatan kerja.

ANALYSIS OF CHEMICAL LABORATORY IN SMA NEGERI 1 SAWAN

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ABSTRACT

The research aimed to describe and explain (1) the management of chemical laboratory equipment and materials at SMA Negeri 1 Sawan, and (2) safety procedure in chemical laboratory at SMA Negeri 1 Sawan. This research was qualitative research with a phenomenological approach. The subjects of this research were heads of laboratories, laboratory assistants, chemistry teachers, school principals, vice principals in the field of infrastructure, and students. The data collection techniques used in this research were observation, questionnaires, interviews and document studies. In this research, source triangulation and technique triangulation are used as data validity tes. The data were analyzed by qualitative descriptive technique. The results of this study indicate that (1) the management of chemical practicum tools and materials has not been carried out optimally in terms of (a) procurement planning has been carried out according to regulations, (b) procurement aspects have limited funds, (c) aspects of use, namely lack of time, students readiness, and limited tools and materials, (d) aspects of maintenance and inventory are constrained by the lack of time and inadequate competence of laboratory assistants, and (e) aspects of extermination, namely teachers' lack of understanding and not having the means of destruction. Aspects of the management of chemical laboratory equipment and materials have implications for practical activities that cannot be carried out in the laboratory. (2) The condition of occupational health and safety in chemical laboratories has not been optimal.

Keywords: management, chemistry laboratory, chemical tools and materials, work safety.