

Analisis risiko pada kegiatan praktikum Kimia Analitik kuantitatif di Laboratorium Kimia Teknik Metalurgi dan Material Universitas Indonesia tahun 2012 = Risk analysis in quantitative analytical chemistry practicum activities in chemistry laboratory of Department Metallurgy and Materials Engineering of University of Indonesia in 2012

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Abstrak

Skripsi ini berisi tentang analisis risiko pada kegiatan Praktikum Kimia Analitik Kuantitatif di Laboratorium Kimia Metalurgi Tahun 2012. Tujuannya adalah untuk menilai tingkat risiko di laboratorium kimia. Metode identifikasi hazard menggunakan Task Risk Analysis, sedangkan untuk analisis risiko dilakukan dengan menggunakan metode analisis risiko semikuantitatif dengan kriteria penilaian risiko (consequence, likelihood, dan exposure).

Hasil analisis tingkat risiko yang didapatkan, yaitu risiko dengan tingkat risiko very high sebanyak 4 (4,5%), priority 1 sebanyak 6 (6,7%), substantial sebanyak 42 (47,2%), priority 3 sebanyak 25 (28,1%), dan acceptable sebanyak 12 (13,5%). Saran yang dapat diberikan yaitu diperlukannya manajemen keselamatan di laboratorium melalui program keselamatan laboratorium.

The focus on this study is risk analysis in Quantitative Analytical Chemistry at Department Metallurgical and Material Engineering Chemistry Laboratory of University of Indonesia in 2012. This aim to assess risk level at the laboratory activity. Hazard identification method using the Task Risk Analysis, while for risk analysis is undertaken by semi-quantitative method that uses risk assessment criteria (consequence, likelihood, exposure).

Level of risk analytical results is risk with very high level has 4 (4,5%), priority 1 level has 6 (6,7%), substantial level has 42 (47,2%), priority 3 level has 25 (28,1%), and acceptable level has 12 (13,5%). The recommendations are need a safety management at laboratory with create a laboratory safety program.