

Analisis risiko keselamatan pada praktikum biokimia reaksi reaksi hidrokarbon di Laboratorium Proses Dasar Kimia Universitas Indonesia 2015 = Safety risk analysis in practice biochemical reactions hydrocarbons in Basic Process Chemistry Laboratory University of Indonesia in 2015 / Ahmad Susilo

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Abstrak

ABSTRAK

Penelitian ini membahas Analisis risiko pada kegiatan Praktikum Biokimia Reaksi-Reaksi Hidrokarbon di Laboratorium Dasar Kimia Teknik Kimia Fakultas Teknik Universitas Indonesia 2015. Penelitian ini bertujuan untuk menilai tingkat risiko di laboratorium kimia teknik kimia UI. Metode yang digunakan yaitu identifikasi hazard menggunakan Task Risk Analysis, dan untuk analisis risiko dilakukan dengan menggunakan metode analisa risiko semikuantitatif dengan kriteria penilaian risiko (consequence, likelihood, dan exposure). Hasil analisis penilaian risiko dengan tingkat risiko Very high sebanyak 1 (2,3%), Periority 1 sebanyak 4 risiko (9,3%), Substansial sebanyak 20 risiko (46,5%), Periority 3 Sebanyak 15 Risiko (34,9%), dan Acceptable sebanyak 3 risiko (7%). Dari hasil diatas yang dapat diberikan kepada laboratorium kimia yaitu diperlukannya manajemen risiko untuk setiap kegiatan praktikum lainnya dan manajemen keselamatan di laboratorium melalui program keselamatan laboratorium

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ABSTRACT

This study discusses the risk analysis Practical activities Biochemical Reactions Hydrocarbons in Basic Chemistry Laboratory of Chemical Engineering, Faculty of Engineering, University of Indonesia 2015. This study has a purpose to assess the level of risk in the basis of chemistry laboratory chemical engineering UI. The method used the identification of hazard using Task Risk Analysis, and for the risk analysis performed using semiquantitative risk analysis with risk assessment criteria (consequence, likelihood, and exposure). The results of risk assessment analysis with Very high level of risk in 1 (2.3%), periority 1 of 4 risk (9.3%), as many as 20 Substantial risk (46.5%), 3 periority Risk total of 15 (34.9 %), and as much as 3 Acceptable risk (7%). From the above results that can be given to the chemical laboratory, need for risk management for each other lab activities and the management of safety in the laboratory by laboratory safety program