# Evaluasi penerapan keselamatan kebakaran gedung menggunakan computerized fire safety evaluation (CFSES) di fmipa dan farmasi Universitas Indonesia tahun 2014 = Evaluation of fire safety of buildings using computerized fire safety evaluation system (CFSES) at fmipa and pharmacy Indonesia University in 2014

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Abstrak

Kasus kebakaran yang terjadi pada gedung perkuliahan/kampus masih sering terjadi, padahal gedung perkuliahan/kampus merupakan pusat berlangsungnya proses kegiatan belajar-mengajar serta kegiatan administrasi. Skripsi ini bertujuan untuk mengevaluasi penerapan keselamatan kebakaran gedung dengan menggunakan software Computerized Fire Safety Evaluation System (CFSES) di FMIPA dan FF Universitas Indonesia yang terletak di Kampus UI, Depok.
Metodologi menggunakan desain studi deskriptif dengan pendekatan semi kuantitatif dan dibantu dengan perangkat lunak Computerized Fire Safety Evaluation System (CFSES)yang mengacu pada 12 parameter keselamatan yang ada pada NFPA 101A Guide on Alternative Approaches to Life Safety. Sampel gedung yang dievaluasi terdiri dari tiga gedung yaitu gedung F (Fisika) dan I (Dekanat) FMIPA UI serta gedung Fakultas Farmasi UI.
Berdasarkan hasil penelitian pada 10 gedung di FMIPA dan 1 gedung di Fakultas Farmasi dengan melihat kesesuaian 12 safety parameters, tidak ada gedung yang memenuhi standar NFPA 101 : Life Safety Code ®. Rekomendasi yang dapat diberikan adalah memasang sistem proteksi kebakaran seperti sprinkler, menutup semua bukaan vertikal, membuat gudang khusus penyimpanan barang, dan mengadakan pelatihan tanggap darurat secara berkala.
.....Cases of fires that occurred in the lecture building/campus still common, whereas the lecture building/campus is central to the process of teaching and learning activities as well as administrative activities. Purpose this study is to evaluate implementation of fire safety in FMIPA and FF University of Indonesia buildings.
Methodology of this study is using observational design with semiquantitatives approaches and assisted with Computerized Fire Safety Evaluation System (CFSES) software that refers to 12 of parameters in NFPA 101A Guide on Alternative Approaches to Life Safety. Building sample that evaluated consist of three buildings, F (Physics) building and I (Dean) building FMIPA UI and Faculty of Pharmacy of UI building. Based on the results of research in the FMIPA UI building at 10 and 1 building at the Faculty of Pharmacy of UI to see the suitability of 12 safety parameters, there are no buildings that meet the standards of NFPA 101: Life Safety Code ®. Recommendation that can be given is to install fire protection systems such as sprinklers, close all vertical openings, make special warehouse storage of goods, and conduct periodical fire emergency response training.