

## **ABSTRACT**

*Fire is a disaster whose impact can cause quite large losses, especially if it occurs in a hospital, including the Tan'im Building at the Haji Hospital, East Java Province. To ensure that all available protection systems are always ready for use, it is necessary to carry out an evaluation, one of which is by using the building fire safety inspection guidelines (Pd-T-11-2005-C). This research is a quantitative observational research. Data collection methods include observation, interviews and document review regarding site equipment, rescue facilities, active protection systems and passive fire protection systems in the Tan'im Building, Haji Hospital, East Java Province. The results of the assessment of the site completeness sub-component are included in the good category with a score of 23.85%, the rescue facilities sub-component is included in the good category with a score of 23.25%, the active protection system sub-component is included in the good category with a score of 22.48%, the sub-component Passive protection systems are included in the good category with a value of 22.67%. So that overall the total results of the assessment of the level of reliability of the building's fire safety system are in good condition with a total reliability value of 92.25%.*

**Keywords:** *Evaluation of Reliability, Site Completeness, Rescue Facilities, Active Protection System, Passive Protection System.*

## ABSTRAK

Kebakaran merupakan salah satu bencana yang dampaknya dapat memberi kerugian yang cukup besar, apalagi jika terjadi di rumah sakit, tidak terkecuali di Gedung Tan'im RSUD Haji Provinsi Jawa Timur. Untuk memastikan seluruh sistem proteksi yang tersedia selalu siap digunakan maka perlu dilakukan evaluasi, salah satunya dengan menggunakan pedoman pemeriksaan keselamatan kebakaran bangunan gedung (Pd-T-11-2005-C). Penelitian ini merupakan penelitian kuantitatif observasional. Metode pengumpulan data dengan cara observasi, wawancara dan telaah dokumen mengenai kelengkapan tapak, sarana penyelamatan, sistem proteksi aktif dan sistem proteksi pasif kebakaran di Gedung Tan'im RSUD Haji Provinsi Jawa Timur. Hasil penilain sub komponen kelengkapan tapak termasuk dalam kategori baik dengan nilai 23,85%, sub komponen sarana penyelamatan termasuk dalam kategori baik dengan nilai 23,25%, sub komponen sistem proteksi aktif termasuk dalam kategori baik dengan nilai 22,48%, sub komponen sistem proteksi pasif termasuk dalam kategori baik dengan nilai 22,67%. Sehingga secara keseluruhan total hasil penilaian tingkat keandalan sistem keselamatan bangunan gedung terhadap kebakaran dalam kondisi baik dengan total nilai keandalan 92,25%.

**Kata Kunci** : Evaluasi Keandalan, Kelengkapan Tapak, Sarana Penyelamatan, Sistem Proteksi Aktif, Sistem Proteksi Pasif.