

Penginterpretasian hasil inspeksi keandalan bangunan gedung / Wahyu Wuryani, Fefen Suhedi

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20487482&lokasi=lokal>

Abstrak

ABSTRAK

Reliability building inspection should be done for every building according to laws and regulations. the inspection encompasses four criteria, safety, health, comfort, and convenience (4K). the assessment result should be displayed in simple way to decide a building condition. Reliable condition which covers whole criteria are difficult to be achieved due to the ability of the owner. The authors propose a model assessment of building inspection by combining two methods. Dichotomy method for assessment safety and score method for three other. this paper applies the importance or Analytic Hierarchy Process (AHP) for implementation score method. these researchis specific a certain building function: office, mall, and hotel. the building is reliable if it have two assessment requirements: (1) needs all the safety criteria with obtain P score, and (2) score criteria health, comfort and convenience, Ss, Sn, Sm for, more bigger than 60. in average the importance for the first level is obtained 51% for the comfort criteria, followed by 29% for the health criteria, and 20% for the convenience criteria. based on the absolute score for sub criteria, the importance weight with the highest rank for office and hotel building is addressed for the comfort criteria especially for air condition in room with the weight 20% and for mall building is addressed for the comfort criteria in space area and connecting rooms with weight 20%.