

GAMBARAN KESESUAIAN SISTEM PROTEKSI KEBAKARAN AKTIF
BERDASARKAN STANDAR NFPA DI *FOODCOURT MALL X DEPOK*
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ABSTRACT

Background. Modern shopping centers have a large area and are crowded with various groups, making the evacuation process difficult in the event of a fire. Therefore, modern shopping center buildings must be equipped with active protection systems, passive protection systems, and good life-saving facilities in accordance with applicable regulations to prevent and overcome fire hazards in buildings. Based on data obtained in 2019 at Mall X there was a fire on the 2nd floor of the food court area. The impact of the fire was felt by kiosk tenants, namely financial losses and decreased productivity. **Objective.** The purpose of this study is to determine the suitability of fire extinguishers, fire hydrants, sprinklers, fire detectors and fire alarms based on NFPA standards at Mall X Depok in 2023. **Method.** The research design used was quantitative descriptive with a cross sectional approach. The analysis carried out is a comparative analysis with NFPA 10 standard, NFPA 14 standard, NFPA 13 standard, NFPA 72 standard. **Results.** The results showed that there was (6%) 1 element out of 17 elements that did not comply with the NFPA 10 APAR standard. There are (15%) 2 elements out of 13 elements that do not yet comply with the NFPA 14 Hydrant standard. There is (10%) 1 element out of 10 elements that do not comply with the NFPA 13 Sprinkler standard. There is (14%) 1 element out of 7 elements that do not comply with the NFPA 72 Fire detector standard. There is (12.5%) 1 element out of 8 elements that does not comply with the NFPA 72 Fire alarm standard.

Keywords : Fire, Active Fire Protection System, NFPA