

ABSTRACT

The issue of fire is increasing, the fire of buildings is a disaster that is very detrimental to human beings seen from the high mortality rate and impact on the surrounding environment in the form of material loss with loss of assets. Laws up to the local regulations that have been made, but until now the handling of fire in Indonesia still has various problems and obstacles so that fires are still repeated. Permen PU No. 25/2008 states that in order to realize the safety and security of fire hazards in districts/cities, a Master Plan of Fire Protection System is required and aims to realize the readiness, alertness and empowerment of the community, building managers, and related offices in preventing and mitigating hazards fires, and other disasters. Research issues are important things that need to be identified, studied and analyzed in the framework of Spatial Planning, Regulation & Standards and Fire Management Area and implementation of Fire Safety Risk System in Building and Environment Building in DKI Jakarta Province?, How is the implementation of Master Plan of Fire Protection System model of DKI Jakarta Province?, and What are the important recommendations in the analysis model of Master Plan of Fire Protection System implementation of DKI Jakarta Province?. This research focuses on the analysis of district / city scale fire protection systems so that the objectives to be achieved in this study are the identification of existing fire protection systems, looking at the relationship between variables in fire protection systems, modeling relationships between variables and conducting analysis of the condition of the fire protection system. The method that will be used to achieve the goal is by surveying data from the DKI Jakarta fire department and related agencies. The data collected can be primary data (interview and questionnaire) and secondary data. The collected data is processed using Excel and SPSS version 22. After doing this research, the findings obtained are the fire prevention factor is a factor that has a very good R square value followed by spatial and fire management.

Keywords: fire, risk, model, system, building