

Abstract

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Key word: Building technology and construction center, building problems's laboratories, earthquake resistant building, high-tech architecture, smart building.

Building technology and construction center is a facility for testing and research that concerned into a building development that earthquake resistant. In the other side, this building is also used to discussing about technology and construction of building by some master of building construction like building practitioners, GAPENSI, IKINDO, HAKI, PII, IAI, and also the institute of policies holder. Designing of building technology and construction center become a building that facilitate of national laboratories. There is some aspect of design that applied on the process of designing, it is like a theme of design (high tech architecture) and a concept of design, that is smart building. Building technology and construction center is a facility that provided to general publics like the academics that need to know about construction of earthquake resistant buildings.

After the analysis of design, the next step is a making a designing concept, it is combining some of alternatives that acquired from the step before. In this step, is applying some of designing aspect. This process design make a 'smart building' as the concept of design, that meaned, a building has a 'one system' in the processing design and the building systems. Smart building concept is used because of there are some reasons, one of them is suitability with the characteristical object design, that the object is a earthquake resistant building. Smart building concept is a derived from high-tech architecture that support into a designing of earthquake resistant building, and also as a building that has a another function, it is a processing of active energy to make a self building. It meaned, the building is not depend to the public facilities like a PLN. Then the relevance with the integration of Islam is a guarding of the nature from damage that caused of human activities, so the nature will be used to a supporter into a making an active energy that useful to the people.