

Accessibility of Passenger Elevator Layout of Integrated Service Office Office Building (KPLT) of Faculty of Engineering UNY

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ABSTRACT

The change of function of KPLT FT UNY Building Hall in the last five years is quite high. In the beginning, the KPLT Building Hall was only to support ospek, yudisium and faculty work meeting. Functions that require the fulfillment of vertical transportation (lift) that is the ceremony dies and syawalan big family of faculty. The elevator is necessary because the occupation hall is not just people, but also catering equipment for parties. The objectives of this research are: (1) to determine the capacity of KPLT building elevators, (2) to determine the layout of KPLT building elevators, and (3) the building facade shape of KPLT FT UNY building. This type of research is design development research, Research and Development research model refers 4 D Thiagarajan. Define stage is the initial definition, including the number of occupation activities, the existing space and the identification of the type of elevator. Stage Design is design related aspects: occupation analysis, layout analysis, quantity calculation, supporting structure analysis and elevator facade analysis. Stage Develop is related development of discussion through the results seminar to get input from experts and users (expert assessment and test of design development). Disseminate stage (dissemination) is the development of the design in detail drawings (DED). The results of the research are: (1) The elevator capacity for KPLT FT UNY building is a passenger lift for 10 people, with two doors opening to the side. (2) The location of KTF FT UNY elevators in accordance with visibility, accessibility and barrier-free structures is on the east side of the hall hall. (3) The appropriate supporting structure of elevators for FT UNY building is steel structure because it is an additional construction, while for scopes using GRC, ACP or plastic composite material.

Kata Kunci: Accessibility, Elevator Layout, KPLT Building