

Planning and Design of a Multipurpose Building Institut Teknologi Sumatera

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ABSTRACT

The design of the Multipurpose Building located on the campus of the Sumatra Institute of Technology is a final project. This multipurpose building will be used as a supporting facility that functions for meetings, student events, entertainment or concerts, and exhibition activities. This multipurpose building can accommodate convention or meeting activities with a total of 5000 participants with a total area of $\pm 23,300 \text{ m}^2$. The design of this project with a mass of buildings with the orientation of the main door facing south. The total floor area is $\pm 15,300 \text{ m}^2$ divided into two floors, with a floor area of $\pm 9400 \text{ m}^2$ and a second floor of $\pm 5900 \text{ m}^2$. The design addresses design issues, namely issues of circulation, flexibility, contours, and security requirements. Differences in circulation and zoning between visitors and managers to support the comfort of activities and privacy in the building. As a building that has a high sale value, the material used is using materials and building materials from fabrication. The building facade is designed with secondary skin with a rhythmic abstract twig pattern. The grouping of spaces in buildings is divided into convention rooms, management rooms and supporting spaces. On the first floor, convention area and support room. On the second floor there is a support room and management room.

Keywords: Lampung, Multipurpose Building, ITERA, Auditorium, Exhibition