

ABSTRACT

Study of Lighting and Materials in the Sacred Space of the Istiqlal Mosque which Supports the Congregation's tranquility of Worship

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Light was created by God so that every living creature can start their days, worship and enjoy the beauty of nature. Mentioned in the Koran, Surah An-Nur: 35, states that Allah is light in the heavens and on earth. When sunlight is part of God's greatness, it becomes an important urgency to provide sunlight in the sacred space of the mosque, either through natural lighting or artificial lighting. In the book Sacred Light by Abdulaziz Al-Azem, it is stated that there are 9 rooms in the mosque. 6 of the 9 rooms are considered sacred spaces because the rooms are reserved for pilgrims who have purified themselves (ablution). The color of the lighting and materials in the sacred space will influence the psychological condition of humans to feel the concept and character that has been designed by the architect. The sacred space at the Istiqlal Mosque seeks to emphasize its peaceful & grand scale character. The Istiqlal Mosque applies a peaceful character through artificial lighting that is adjusted to match the color of sunlight and maximizes natural lighting entering the building. In analyzing lighting, this paper use standards from SNI 03-2396-2001 and SNI 6197:2011 as well as lighting techniques to determine the adequacy of light in the sacred space to support worship activities. Meanwhile, the grand character is determined by the splendor of the building and materials which have a large scale compared to other buildings so that people feel small. The lighting and materials in the sacred space of the Istiqlal Mosque, which are a combination of white and yellow, give a sacred feel and are related to sunlight and divinity. The meaning of these two colors is based on the research of Frank H. Mahnke and Faber Birren, who are psychologists. So the role of light and materials is the main factor in developing an atmosphere of tranquility in a sacred space which is in accordance with the character designed by the architect.

Keywords: *Sacred Space, Lighting, Material, Tranquility.*