

# INTERIOR DESIGN IN MULTI-STOREY HOSPITALS: A STUDY OF ERGONOMICS AND SPACE HYGIENE

## ABSTRACT

*This study examines the contribution of students in the Merdeka Belajar Kampus Merdeka (MBKM) program to the interior design of a multi-storey hospital, highlighting the implementation of ergonomics and hygienic principles in healthcare environments. The case study was conducted at the Eka Hospital Juanda Jakarta project, a 23-storey hospital with highly complex functions and stringent healthcare space standards. A qualitative approach, comprising field observations, preparation of technical documentation, and in-depth interviews with the Project Manager, Site Engineer, and Drafters, was employed to identify the roles and learning outcomes of students during nine months of direct involvement. The results show that students' active participation in drawing coordination, planning and drafting material specifications, and on-site supervision enhanced their understanding of sanitation standards, spatial efficiency, and design adaptation to user needs. These findings affirm the importance of integrating ergonomics and hygienic considerations as primary parameters in modern hospital interior design. The study recommends a multidisciplinary collaboration model among architects, interior design students, and on-site operations teams to improve design quality and the capabilities of young professionals.*

**Keywords:** interior design of hospitals, ergonomics, space hygiene, construction