

ABSTRACT

Design of a Special School for Sensory Disabilities with a Multisensory Architectural Approach in Bogor Regency

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Based on data from the Ministry of Health in 2023, individuals with sensory disabilities, which include impairments in the five senses such as hearing, vision, and speech, constitute the largest group of people with disabilities in Indonesia. Bogor Regency, as one of the capital's buffer zones, has a relatively high number of people with sensory disabilities. However, access to inclusive education still faces various challenges. The limited number of special needs schools (SLB) and inadequate facilities are major obstacles to providing proper education. In addition, the uneven geographic distribution of SLBs forces students to travel long distances and incur high transportation costs, placing a burden on parents and reducing the effectiveness of the learning process.

The design of a special needs school for students with sensory disabilities in Bogor Regency using a multisensory architectural approach offers a potential solution to these issues. The selected site is located on M.H. Thamrin Street, Citaringgul, Babakan Madang. The site was chosen for its good accessibility, its position in a capital buffer area, proximity to healthcare facilities, and a conducive learning environment. The multisensory design approach is expected to enhance students' abilities to recognize and adapt to their surroundings through stimulation of their functioning senses, while also promoting their independence. Equipped with dormitory facilities, the school can also accommodate students from various regions, improving both time efficiency and access to education. This design is envisioned as a model solution for improving and equalizing the quality of education for individuals with sensory disabilities across Indonesia.

Keywords: *Sensory Disabilities, Special Needs School, Multisensory Architecture*

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