

Evaluating Public Transport Facilities for Wheelchair Users at Palmerah–Sudimara Stations Using Universal Design Standard

Jessica Lie Riyadi

Architecture Student, BINUS University, Indonesia

Abstract:

The Indonesian government try to improve public transportation, especially in Jakarta and surrounding cities. However, public facilities in Jakarta still do not fully meet accessibility standards for people with disabilities, limiting their mobility and participation in society. One of the most widely used transport systems is the electric railway, which accommodates large numbers of passengers and connects Jakarta with cities like South Tangerang, where many workers commute daily. This study examines the accessibility of railway facilities for people with disabilities, focusing on Palmerah–Sudimara Stations. Through an observational study and architectural analysis, this study evaluates existing facility designs, studies, reports, and regulations, including Universal Design principles and Indonesia's disability laws. The research assesses whether these facilities comply with accessibility standards and identifies gaps in implementation. By highlighting these challenges, the study likes to contribute to more inclusive urban mobility and provide recommendations for improving accessibility in public transportation, ensuring equal opportunities for all individuals, including wheelchair users.