

## Analysis of student perception on infrastructure and willingness to cycle

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### Abstrak

Understanding the role of the built environment in decisions to bicycle may lead to positive infrastructure policy. Several studies support the notion that providing bicycle infrastructure, particularly lanes and paths, can increase bicycle use. Many of these studies, however, rely on aggregate data, making it difficult to examine the direct relationship between infrastructure and behavior. The aim of this paper is to identify the arrangements of bicycle infrastructure at Universitas Indonesia (UI) Campus Depok, and to provide recommendations to fulfill the needs of cyclists so as to encourage cycling on campus. Bicycle infrastructure at the Universitas Indonesia Campus receives good ratings. The findings indicate that the quality of facilities strongly influences respondents' assessment, followed by perceptions of reliability, convenience, accessibility, and security. The willingness to use a bicycle as a mode of transport on campus is influenced by reliability and accessibility. This paper concludes that UI has the opportunity to become a more bicycle-friendly campus, and that greater cycle ability can be achieved by planning, investment of funds for infrastructure development, and programs aimed at improving safety and enhancing convenience.