DESIGN OF CAMPUS BICYCLE AS MEANS OF SUPPORTING STUDENTS MOBILITY IN CAMPUS AREA, CASE STUDY: INSTITUT TEKNOLOGI SEPULUH NOPEMBER SURABAYA

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Abstract
Campus bicycle design project is more focused on the visual and ergonomic aspects of the bike, but of course other aspects in design program still needed. The study of this design project examines aspects of the visual and ergonomic aspects of the existing bicycle used in Indonesia campuses and several of existing bikes that are trends in the market. The purpose of this project is to create an ergonomic design which campus bikes frame geometry can accommodate a diverse body anthropometry from the user. Analysis of the existing bike which produces a new geometry of the bike is more ergonomically for a variety of users. The results of this design project is a new bike design with an ergonomic geometry for diverse users and supported by a different visual image.

Keywords : Ergonomics, Campus Bikes, Geometry