

ABSTRACT

Plus-size users often face difficulties in finding lounge chairs that fit their body dimensions and comfort needs, as most commercially available products do not address specific requirements such as proper sizing and material strength. This study was conducted at Kalpataru Bali using a mixed methods approach and user-centered design. Data were collected through observation, interviews, questionnaires, and literature studies, then analyzed using anthropometric data from the 95th–99th percentiles as the basis for design. The results show that the designed lounge chair provided a significantly higher level of comfort compared to conventional products, with a user satisfaction rate of 85%. These findings indicate that a customized ergonomic lounge chair design can effectively meet the needs of plus-size users and contribute to the development of more inclusive furniture design in the industry.

Keywords: *Lounge Chair, Ergonomics, Anthropometry, Plus-Size Users, Kalpataru Bali*