

ABSTRACT

Ironing is an activity aims to support the appearance to look neat. The need for someone to maintain their appearance makes this ironing activity a must-do activity. The ironing activity which creates 3 ironing positions when using the existing ironing board consisting of the reaching position, the position of ironing, and the putting position then produces RULA score of those positions respectively 7, 4, and 6, it means those positions are at risk of ironing and immediate changes are needed. This research was conducted to redesign the product based on user needs by using the Kansei Engineering method which obtained 10 Kansei words on an existing ironing board product then responded by 96 user based on Lemeshow formula. Product redesign is equipped with a chair to support in a sitting position and an ironing board that can be folded with the sizes based on anthropometric data dimensions then produces RULA score of ironing positions respectively 3, 2, and 3. It means the redesign of the ironing board able to fulfill the Kansei words as user needs.

Keyword: Kansei Engineering Method, Ergonomics, Ironing Board, Anthropometric, RULA, Factor Analysis