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Smart Reading Chair Design by Using Kansei Engineering

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Reading is an interesting activity people engage in, whether for an exam, leisure, or to gain knowledge on a specific subject. Because reading usually takes a long time, the reader should be as comfortable as possible while reading. Therefore, a reading chair is an essential piece of furniture. As per our research findings, there are numerous reasons why someone should have a reading chair in his or her reading room rather than sitting in alternative ways such as standing or lying down on mats. The methodology used is document analysis and questionnaires with 192 respondents. Furthermore, the research indicates that backache is a common problem for avid readers and people who sit for long periods and is strongly related to their posture. According to research, Kansei Engineering is a method for translating consumer Kansei into product design elements. According to this study, Kansei engineering translates customers' psychological needs and feelings into the design of products and services. This technique will allow designers and manufacturers to incorporate Kansei into product design to gain a competitive advantage. Our research paper proposes a smart reading chair design based on Kansei Engineering's fundamental principles and methods, which provided scientific guidance for designing a chair to meet consumers' emotional needs.

Keywords: *Kansei engineering, Kansei word, smart reading chair, product design*