

ABSTRACT

The textile industry around the world is experiencing rapid development in line with technological developments and increasing market demand. In Indonesia, the textile industry is also growing rapidly, especially in sewing jobs which absorb a lot of manpower. Even though sewing work provides promising business opportunities, even though sewing work is a job that absorbs a large number of workers in Indonesia. But there is still a lack of attention from companies in the textile industry to the health and safety of their tailors, especially the problem of non-ergonomic chairs. The purpose of this study is to overcome the problems experienced by tailors, namely Musculoskeletal Disorder. The design method used is UCD (User Centered Design) with an anthropometric approach. The results of designing an ergonomic sewing work chair using the UCD and anthropometric methods are able to meet the needs of tailor work and reduce the problem of Musculoskeletal Disorder injuries based on product validity tests on tailors at DMNT.ID.

Key word: *sewing chair, ergonomic, design, musculoskeletal disorder*