ABSTRACK

This research aims to redesign ergonomic disc or gate valve skir tables and chairs for valve craftsmen at UD. Saka Teknik. The current valve removal process still uses traditional turntables which causes work discomfort and risks causing musculoskeletal injuries due to unergonomic posture. To identify worker complaints, the study used the Nordic Body Map (NBM) method, which shows a high level of discomfort, as well as anthropometric analysis to ensure a design that matches the worker's body dimensions. The results of the study show that redesigned ski tables and chairs with ergonomic factors in mind can reduce the risk of injury, improve comfort, and support work productivity. The proposed design has dimensions that are adjusted to the height of the popliteal, hip width, and elbow height of the worker to keep the posture ideal during the alignment process. The implementation of this design is expected to improve work efficiency and worker welfare at UD. SAKA TEKNIK, as well as being a reference for similar industries in creating a safer and more comfortable working environment

***Keywords**: Nordic Body Map, injury risk, anthropometry, Re-design*