

***THE RELATIONSHIP BETWEEN BENT WORKING POSTURE AND THE
INCIDENCE OF MUSCULOSKELETAL DISORDERS (MSDs) AMONG
FURNITURE WORKERS AT CV. DOLLAR FURNITURE***

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ABSTRATC

Background: MSDs (Musculoskeletal Disorders) complaints frequently occur among workers adopting bent and non-ergonomic postures such as furniture makers working 8 hours per day. Factors contributing to MSD complaints among furniture workers include both individual and job-related factors. ***Objective:*** To determine whether there is a relationship between working in a bent posture and the occurrence of MSDs in furniture workers. ***Methods:*** This study is quantitative, using a cross-sectional design, with a population of 139 and 41 subjects selected via purposive sampling based on inclusion and exclusion criteria. The research was conducted among bent-posture workers at CV. Dollar Furniture. The independent variable in this study is working in a bent posture, while the dependent variable is the occurrence of MSDs. Bent-posture assessment was conducted using the Rapid Entire Body Assessment (REBA) questionnaire, and MSD complaint levels were measured using the Nordic Body Map (NBM) questionnaire. ***Results:*** Based on spearman-rank test results, there was a statistically significant relationship between bent working posture and the occurrence of MSDs ($p = 0.008$). ***Conclusion:*** There is a relationship between working in a bent posture and the occurrence of Musculoskeletal Disorders.

Keywords: musculoskeletal disorders, bent working posture, rapid entire body assessment, nordic body map