

ABSTRACT

Cleaning tools are used by janitors to clean the streets from all kinds of garbage, the cleaning tools used are not ergonomic because the cleaning tools used are short because they are broken. After the REBA analysis was carried out on the janitor, a very high score was obtained, namely 12 which could lead to the risk of Musculoskeletal Disorders (MSDs) so that it is necessary to improve posture through improvements to existing cleaning tools. The design of this cleaning tool repair uses the Ergonomic Function Deployment (EFD) method that applies ergonomic aspects, namely EASNE (Effective, Safe, Healthy, Comfortable, and Efficient) so that it can improve the posture of the janitor to reduce the risk of Musculoskeletal Disorders (MSDs). Based on the research, it was found that the Garbage Vacuum tool can make it easier for cleaners to carry out their duties, with a handle feature that can be adjusted in height. So that the REBA value is 3 so that this value makes the janitor have an ergonomic body posture and can improve the body posture of the janitor and can also reduce the risk of Musculoskeletal Disorders (MSDs).

Keywords: REBA, Musculoskeletal Disorders (MSDs), EASNE, Ergonomic Function Deployment