

Analysis and Re-Design Ergonomic Mineral Water Gallon Trolley

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Abstract : Manual material handling activities often make it difficult for humans to work like this. Muscle injury due to incorrect posture. Workers need to facilitate their activities. One tool to assist their activities in the transportation of ordinary materials is a trolley. This tool is very useful because it can be used. It can bring many items without having to spend more energy to operate it. Very Comfortable used a trolley in the community. But the old design still have a complaint by worker, because lack of grip and capacity. After posture analysis with the REBA method, the value of risk need to be increased is obtained tool. Re design use Indonesian anthropometric data with the 50th percentile.

Keywords : Material Handling, REBA method, postural assessment, Trolley.

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