

ABSTRACT

In the process of tea processing at PTPN VIII Ciater, there is a tea powder transfer activity that is in the sorting area in the sieve machine to the temporary storage. Moving activity in the sorting area of PTPN VIII Ciater using conventional that means using drum or barrel in a variety of sizes that are pushed or pulled manually by the operator. This can lead to friction between the barrel and the floor that cause adverse impact on the worker, especially the load that is transferred enough weight that is between 10 kg to 25 kg and at the time of doing activities of movement of bad posture can cause bad effect for operator or not Ergonomic. By doing the study with Material Handling Equipment approach, there are 8 (eight) points of REBA (Rapid Entire Body Assessment) which fall into high risk category, because of that MHE must be improve to the new ergonomic MHE using rational product design method according to Nigel Cross. And then, the REBA value get 3 points that fall into low category.