

## ABSTRACT

*PTPN VIII established in the period 1963-1968 and located in ciater, subang district, is a company engaged in the manufacture of tea from upstream to downstream. At PT Perkebunan Nusantara VIII there is a process that is still done manually. The process is the process of moving the tea from the temporary storage to the conveyor. In the process there are three stages, and that are carrying a tea bag, lifting a sack of tea, and the last is to hold the burden of the tea bag when it will transfer the contents of the tea bag to the conveyor. But these three stages are still not ergonomic. This can be proved in the REBA calculation results. The process of carrying a sack has a REBA value of six which means having a moderate risk level and requiring repairs. For the process of transporting sacks has REBA value of eight which means having high risk level and need immediate corrective action. As for the process of holding a load of sacks has REBA value of nine which means immediate corrective action. Therefore the transfer process must be fixed. In this assessment, improvements will be made to the material handling equipment used in the process. Material handling improvements are made because improvements such as layout improvements or process improvements can not be made. To improve the material handling equipment is used a method called rational product design. And after the design of material handling equipment with rational design method obtained value on the process of moving the process of tea from the temporary storage to conveyor in workstation sorting of two which means low risk or can be said the process is ergonomic.*