ABSTRACT

Folding chairs have a hinge-shaped folding system as a fulcrum and an important role that must be more attention to. In society, the aggressive and intensive use of folding chairs makes the hinges on the folding system wear out, which results in the seat frame being eroded and the hinges becoming loose and even broken. With this, folding chairs become less durable and become furniture waste that accumulates it can damage the environment. In one industry, PT Chitose Indonesia Manufacturing is a company that sells folding chairs with the highest level of interest in the community, especially in the Yamato HAA type. However, there are also still many Chitose folding chairs that are damaged. This design was carried out to overcome the problem of a less durable hinge system focused on the material on the hinge mechanism. Used of qualitative methods of the case study approach, data is taken and validated from one's experience and point of view by further analyzing the problems. The design was assisted by the SCAMPER method because it departed from pre-existing products, where the result of this design was the manufacture of folding chair furniture with a higher level of durability in the aspect of the hinge mechanism supported by better chair frame material that is durable.

Keywords: *folding chair, furniture, hinges, wear, Chitose, durable.*