

ABSTRACT

CV Mendong Jaya is a home industry that has an internal commitment in the production process, that is to reduce environmental impacts and maintain rural ecosystem. But in reality, in the process of production, wastes are still generated, especially liquid wastes which affects on reduce productivity level and environmental performance.

The main problem which is resolved at the CV Mendong Jaya on foldable tray production process is liquid waste disposal residual finishing processes, which affects on reduce the environmental performance and productivity levels of tray foldable in CV Mendong Jaya.

Green Productivity is a method that can be used to increase the level of productivity at once environmental performance. Based on the methodology of Green Productivity, an alternative selection is done by calculating estimation the level of productivity, the index of EPI, and Green Productivity Ratio for each alternative. From the results, the best solution which is can be used as a proposed improvement is the third alternative, that is water-based finishing material usage and the use of spray HPLV (High Pressure, Low Volume).The advantages obtained by CV Mendong Jaya with the third alternative is Green Productivity Index increased, indicated by Green Productivity ratio is 1.25, the level of productivity of 0.05% and generates cost savings of IDR 20.636,5 for each unit of Tray Foldable.

Keywords: Productivity, Environmental Performance, Green Productivity, Green Productivity Ratio