

***Analysis Of The Quality Of AMDK On A Filling Cup Machine With The FMEA Model In TEFA Air Minum Politenik Negeri Jember***

**Indrawansah**

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***ABSTRACT***

*TEFA. Drinking water at the Politeknik Negeri Jember is one of the production units that processes drinking water into bottled drinking water. The production process is carried out using a cup filling machine which has a capacity of 2 lines which is used for the process of filling and packaging drinking water products into bottled water products with a capacity of 220 ml. The purpose of this study is to identify the cause of failure in the bottled drinking process on the Filling Cup machine, analyze the risk of failure in the RPN (Risk Priority Number) value, and prioritize the repair of the source of failure. The data obtained are packaging defects resulting from the production process of the filling cup machine, which will be identified with a fishbone chart and calculate the RPN value to determine the high defect resulting from a filling cup machine component. From the 2 results of the identification carried out, it is known that the defects that occur are folding lead cups, underfilling and overfilling, snug packaging, and double cups. Factors causing damage that occur are caused by machine factors, human factors, materials, and the environment.*

***Keywords:*** *filing cup, FMEA, Packaging Defect, Process production.*