

## ABSTRACT

### *Utilization of coffee grounds to be processed into disposable coffee cups*

*Coffee consumption always increases every year in Indonesia and even the world, as well as coffee grounds. Coffee grounds are coffee grounds that have gone through the brewing process and do not participate in serving coffee drinks. In this case, coffee grounds are a product of coffee processing that is not utilized optimally or is not even utilized anymore. The high level of solid waste generated from coffee grounds that are not reused because people do not know about the benefits of coffee grounds. The largest number of coffee grounds waste disposal is produced by big entrepreneurs in the coffee sector. They usually throw coffee grounds into the river. This can damage the environment and also the death of biota in the river. From these problems there is a solution to reuse coffee grounds into disposable cups. The cup carries the concept of biodegradable or can be decomposed naturally and does not pollute the environment. The concept has previously been applied to casava plastic which can be decomposed using hot water. Using the experimental method by testing the combination/composition of existing materials, the results were in the form of a cup that can hold up to 220 ml. It is hoped that it can provide an option for innovative products in the form of disposable cups that have an impact on reducing the waste generated from coffee production which is quite high.*

*Coffee, Coffee grounds, Cups*