



CIBUSTONE (CIGARETTE BUTTS STONE): UTILIZATION OF CIGARETTE BUTTS AS WATER FILTER

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ABSTRACT

Indonesia is one of world's biggest tobacco producers, and also tobacco consumers. This condition caused huge number of cigarette butts waster produced. Look on the composition, cigarette always use a filter made from acetate cellulose. Poorly managed cigarette waste can lead to a filthy environment, unhealthy river ecosystem that can cause flood to source of disease (Saris, 2016:158). From that background, questions could be raised are what and how environmentally-friendly innovation will solve the problem. The main purposes of this research is to help reduce the pollution of cigarette butts that can damage the environment. The benefits of this research were to find solutions to solve the problems of cigarette butts and ensure access to water and sanitation for all. The research method used is PDCA derived from plan, do, check, and action. The result of this research is the invention of innovative water filter for dirty water and trash barrier. The conclusion of this research is a reflect concern about water supply and good sanitation, as well as environmental conservation.

Key words: cigarette butts, clean water and sanitation, trash barrier