CHAPTER 17

PLASTIC'S PACKAGING WASTE PROCESSING FOR COOKING OIL AND BOTTLE CAPS INTO ACTIVATED CARBON

Kartika Udyani, Erlinda Ningsih, dan Ambarwati Syahdiana Umar

1. Introduction

The type of food that requires a more various frying process results in an increasing human need for cooking oil. In the market, most of the cooking oil is sold in refill packs in plastic. The rising public demand for cooking oil will increase the waste from cooking oil packaging. Consumption of cooking oil in refill packs is growing to cause new problems, namely the accumulation of used cooking oil packages. Plastic cooking oil packaging includes plastic with code seven which means other [1].

Miscellaneous code on plastics means that the plastic is made from various resins and cannot be recycled. If plastic with code seven is disposed of in the environment, it will pollute the environment [2]. This is because microorganisms cannot break down plastic in the soil. Besides, due to plastic's nature that cannot be recycled, it will result in the plastic not being reprocessed into plastic that can be used as packaging. For this reason, it is necessary to make efforts to process plastic so that it is used for products that are of use and economic value, as well as overcoming environmental problems due to the accumulation of plastic waste packaging for cooking oil.