

ABSTRACT

Plastic is a material that is widely used in the needs of modern society. Since it was first created, the plastic has been used in various industrial fields both food industrial and non-food industrial. We can see plastic products ranging from toys, kitchen ware, electronic instruments till teeth brush that used every day. Plastic widely used due to the advantages of plastic that strong, light, malleable, good insulator, non-corrosive and durable. That many consumptions are not equal by the number of recycles.

Wasted plastic can cause problems for the environment because it is very difficult to unravel. The chemical structure of plastic as polymer organic compounds was formed from high-strength carbon chain. Microorganisms can't break the carbon bonds and thus require a very long time to decompose wasted plastic. Time decomposition of wasted plastic naturally requires more than eighty years to be degraded completely. With simple technology, of course, the wasted plastic can be managed properly. Distillation is the appropriate technology which currently being use by author to converting waste plastic into fuel oil (BBM).

Keywords : wasted plastic recycle, fuel oil, distillation