

Current Status and Strategic Research Plan of Marine Plastics Debris in Indonesia

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Marine plastics and other man-made marine debris have become re-emerging pollution issue after more than 30 year dormant. In Indonesia, the first study on marine plastics and its associated debris was done in May 1985. The research has started again in 2017 after the issue of micro-plastics debris became one of the ocean problems that must be eliminated after the UN Ocean Conference in New York in 2017. Although Indonesia is ranked to be the second nation to produce marine debris, researches in Indonesia have been very scarce and scattered. Our present paper is to attempt to assimilate information related to marine pollution, especially marine micro-plastics and to summarize a strategic plan set by the government of Indonesia. The government of Indonesia issued several decrees on waste managements and national action plan (NAP) controlling marine plastic debris as well as public awareness. On science and innovation fields, research on distribution, source and its effects of marine debris on marine biota has been carried out. The innovation technology is also explored such as, a use and reuse of marine plastic debris and alternative technology.