

Algal bloom, penyebabnya dan beberapa implikasinya / Tumpak Sidabutar, Dietriech Geoffery Bengen

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20479526&lokasi=lokal>

Abstrak

ABSTRACT

The algal blooms or red tide that resulting mass mortality of fish and other biota are frequently occurred in coastal water: where human activities and population increase in significant. The impacts not only to marine life and environmental quality, but also impact on the fishery economic, food security and health consumer; and also psychology of the surrounding community. In some countries the impact of aquatic disaster has resulted in human fatalities after consuming fishery products. The incidence of red tide phenomenon is characterized by the appearance of other colors in the surface water such as red, red-brown or greenish depending on the causative speciean fact, the incidence of algal bloom has a connection with the amount of nutrients concentration in the waters, which sourced from human activities in the upland, domestic waste, agricultural, industrial waste, etc, which run into the water via rivers or run off On the other hand, the increasing eutrophication may lead to alteration of nutrients composition in the waters and can trigger the bloom of toxic species in the waters (toxic algal bloom).