PENGAMBIL SAMPAH PADA PERMUKAAN AIR
(WATER TRASH BIN)

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ABSTRACT

Batam city is an island surrounded by the ocean, and many ships and goods-laden sea transportation through it, so as to make this city as a city of international trade and industry where it is a strategic adjacent to the State of Singapore.

Problems experienced on the Batam island is the garbage that is thrown and dragged down the waves so much trash that is scattered or floating in coastal area of the Batam island. There are many sea transportation not provide a trash can or a lack of strikes against passenger so that passengers throw rubbish into the sea, it can cause damage to the coral reefs and pollution of the oceans also became due to trash flat median is discarded plastic – its hard to extract.

To overcome that problem designed water trash bin that is able to pick up trash in the water surface by way of moving past the trash attracts trash approached them into the trash.

From the results of the analysis and testing performed on this instrument, in that it can be water trash bin can float and can be moved to the point of waste with manual control. Results for taking of rubbish, water trash bin can already take the trash right above the conveyor will be but there are shortcomings when trash is in front, the conveyor keep pushing garbage due to the terracing has a flat surface (not hollow like the net).

Keyword : Garbage, Sea, Water Trash Bin, plastic, Batam