

# **Abstract**

**Mohamed Walid A Rafee**

## **“OPTIMIZING OPERATING COST FOR CONTROLLING SOX EMISSION”**

As a result of the restrictions laid down by international conventions that determine the proportion of exhaust gas emissions from ships, increased the cost of fuel to ship owners. These costs could be retrieved by way of increasing the freight rates. However, that would have an adverse effect on their competitive position compared with other modes of transport, which made it necessary to install the exhaust gas treatment system to help ship owners. This paper studies the potential of using exhaust gas treatment system onboard of an ongoing ship. The exhaust gas treatment system supposed to be installed in the engine room. The power requirement is calculated. Money saved by using exhaust gas treatment was calculated. The study showed the uses of the exhaust gas treatment reduce the cost of fuel.