

## **Effect of dry ice application in fish hold of fishing boat on the fish quality and fisherman income**

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### **ABSTRACT**

**Problem statement:** This study presents the effect of dry ice application in the fish hold of fishing boat on the fish quality and fisherman income. Dry ice is made with compressed CO<sub>2</sub> gas to produce hot, high-pressure gas. Hot gas then cooled to condense into liquid CO<sub>2</sub>, which is still high pressure. Dry ice can be used to cool a room and can reach temperatures under 0°C. **Approach:** Objectives of this study are to know the effect of the use of cooling applications by using dry ice as a cooling fish on the fish quality. **Results:** The experimental investigation has been done in dry ice variations weigh, variations cooling load (fish) and variations fan speed. **Conclusion:** The results of these experiments have been shown in this study that the dry ice has been reducing the weight of refrigerant weigh to cooling of fish in the fishing boat.

### **KEYWORDS:**

Ice cubes; temperature; fan rotation; bacterial growth

**ACKNOWLEDGEMENT**

We would like to acknowledge to Institute of Research and Public Service, Institute Technology Sepuluh Nopember, Surabaya Indonesia for providing the Public Service Grant with Contract No. 0535/12.7/PM/2009 on 01 May 2010 to support of this project.