



# 7<sup>th</sup> Annual Southeast Asian International Seminar 2018

## Certificate

Ref. No. 1410/PL3/PN/2018

Given to  
**Firman**  
as  
Presenter

**Strengthening Environment and Innovation  
System on Vocational Education  
in Supporting 4.0 Industrial Revolution**

**7&8 November  
2018**

**Hotel Grand Savero  
Bogor, Jawa Barat**



Director of  
Politeknik Negeri Jakarta

**Abdillah, S. E., M.Si**




Chair

**Dr. Titi Suhartati, SE, MM, MAk, Ak, CA**

## AS AIS 2018 Submission 30

The submission has been saved!

Paper 30	
Title:	Experimetal Investigation of Boiling Heat Transfer Coefficient of MC-22 on Horizontal Copper Rod
Paper:	 (Aug 25, 06:12 GMT)
Author keywords:	refrigerant heat transfer musicool MC-22
Abstract:	In recent years,refrigerant MC-22 as a kind of natural refrigerant which is environmentally- friendly has been considered to used in refrigeration and air conditioning applied. The research aim to ascertain boiling heat transfer coefficient of refrigerant MC-22 on horizontal copper rod. This work has been done experimentally by especially designed for this investigation. A copper rod with 12 mm diameters and 80 cm long was used as a testing object in boiling heat transfer test apparatuses. Ascending method was used by heating the copper rod at from 2 to 10 watts with 2 watts increases; each increases was made after a 2 minutes time interval. This research will be carried out to determine boiling heat transfer coefficient of refrigerant MC-22.
Submitted:	Aug 25, 06:12 GMT
Last update:	Aug 25, 06:12 GMT

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