



# CERTIFICATE OF PARTICIPATION

**The 2<sup>nd</sup> International Conference on Mechanical Engineering Research and Application**

“Innovative Research in Engineering for 21<sup>st</sup> Century”

October 7-8, 2020

The Mechanical Engineering Department of Brawijaya University, Indonesia

This is to certify that

**Herry Irawansyah, Abdul Ghofur, Rachmat Subagyo, Mastiadi Tamjidillah,  
Bagus Harits Pratama, Bekti Suroso, Budi Santoso**

Have presented a paper entitled

**Characterization of heat transfer on concentric tube  
heat exchanger using ethylene glycol/TiO<sub>2</sub> nanofluid**

Herry Irawansyah, M.Sc. Mechanical Engineering Department



Ir. Djoko Bangun Darmadi, MT., Ph.D.

Chairman of Conference



Dr. Ing. Victor Yuardi Risonarta, ST., M.Sc