

Name : Jundika Candra Kurnia

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Office : Energy Conversion Lab (E2-B-01)



Education:

Bachelor of Engineering (ST): Engineering Physics Department, Gadjah Mada University, Indonesia, 2003-2006

Master of Engineering (M.Eng): Mechanical Engineering Department, National University of Singapore, 2007 – 2009 (expected)

Academic Achievement:

Singapore Airlines Scholarship for Bachelor of Engineering in Gadjah Mada University

AUN/SEED-Net scholarship for Master of Engineering in NUS

Teaching Experience:

Teaching assistant on Engineering Physics Department, Gadjah Mada University in subject:

- Thermal Analysis, odd semester academic year 2006/2007
- Automatic Control, odd semester academic year 2006/2007
- Computer Programming Lab., odd semester academic year 2005/2006
- System Dynamics, even semester academic year 2005/2006
- Engineering Drawing Lab., even semester academic year 2005/2006
- Electronics, odd semester academic year 2005/2006
- Computer Programming Lab., odd semester academic year 2005/2006
- Thermodynamics, even semester academic year 2004/2005
- Engineering Drawing Lab., even semester academic year 2004/2005
- Statistic Lab., odd semester academic year 2004/2005

Research Area:

Thermal Analysis, Drying, Heat and Mass Transfer, Gels, and Computational Fluid Dynamic

Research Project:

2006 Analyze efficiency of steam using for paper drying on Paper machine #2 on PT Surya ZigZag

Advisor: Sentagi Sesotya U. ST., M.Sc

2006 Study on the effect of convergent-divergent nozzle on the Hero turbine performance.

Advisor: Ir. Kutut Suryoprato MT.,M.Sc; Dr-Ing Sihana

2007- Heat and mass transfer in gels

Supervisor: Professor Arun S. Mujumdar

Co-Supervisor: Dr Karl Erik Birgersson

Research project objective:

To investigate the heat and mass transfer in gels through experimental and CFD simulation for its characteristic and application

Contact Prof. A.S. Mujumdar:

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