

Mukhamad Suhermanto

Contact

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Languages

English
Bahasa Indonesia
Javanese
Turkish
Arabic

Programming Languages

Python
Eng. Eq. Solver (EES)
VBA
HTML
L^AT_EX

Design

Canva
Basic Photoshop
Prompt-based Design

Management

Ms Teams
Planner

Experience

2024-2025 **Graduate Assistant, AAARCC**
Graduate Assistantship

Purdue University

Cascade-HTML: Managing AAARCC's website
Workflow Optimization: Responsible in transferring the AAARCC's workflow to one-gate MsTeams, integrating apps to MsTeams, creating Visitor Check-in System using VBA
Databases: AAARCC-related organizations, Nation-wide cultural centers, etc.

2021-2024 **Lead TA, Mechanical Engineering, Sch of Eng**

Purdue University

Teaching Assistant (TA) and Lead TA, ME200-Thermodynamics I

TA: Conducting Office Hour, Grading Homework and Exam
Lead TA, since 2022: Leading and Managing 6-13 TA Members each semester, creating Grade-scope rubrics, managing Brightspace, Coordinating Exam Proctoring, Paper Processing, and Grading

Education

2018-present **PhD** in Environmental and Ecological Engineering

Purdue University, USA

2014–2016 **M. Eng** in Automotive Engineering

Kocaeli University, Turkey

2008-2013 **B.Ed** in Automotive Engineering Edu

State University of Malang, Indonesia

Academic Paper

2021 **Performance evaluation of an automotive air conditioning and heat pump system using R1234yf and R134a**
Science and Technology for the Built Environment 27 (1), 44-60

2018 **Support vector regression modeling of the performance of an R1234yf automotive air conditioning system**
Energy Procedia 153 (October 2018), 309-314

2017 **Empirical correlations for the performance of an automotive air conditioning system Using R1234yf and R134a**
Journal of Thermal Science and Technology 37, 1, p127-137. 11p

2016 **Effect of ambient temperature on the performance characteristics of automotive air conditioning system using R1234yf and R134a: Energy and exergy-based approaches**
AIP Conference Proceedings 1778 (1), 030004

Achievements

2018-2021 **Fulbright Scholarship for PhD Program**

Purdue University

A three-year term of PhD Funding provided by Fulbright Foundation

2013-2016 **YTB Turkish Government Scholarship for Master Program**

Kocaeli University

First-year full Turkish Programme, followed by two-year full Master Program in Automotive Engineering

2008-2012 **PT. ITC/ Educational Testing Service Country Ambassador Full Scholarship for Undergraduate Program**

State University of Malang

1 out of 7 selected for prestigious 4-year full scholarship for Undergraduate Programme

2012	Silver Medal of Student Achievement Award 2012 State University of Malang An Annual Award given by the university to acknowledge the best achievement students
2011	Gold Medal of Student Achievement Award 2011 School of Engineering, State University of Malang An Annual Award given by the School of Engineering to acknowledge the best achievement students

Interests

2018-present	Education: Ilmu Academia Online Learning An Online platform to learn any kind of knowledge disciplines using web and YouTube Channel
2000-2013	Education: Live Tutor for K12 Students Tutoring Program Giving a free-tutor for K12 students in Java region

Skills

Good Management Skills

various student organizations, including K12 Student Government and School of Engineering Student Government

Learning Motivation

Have high learning motivation despite of coming from low-level economic backgrounds, proven by all scholarship achieved

Quick Learning Capability

Quick learning capability is proven by the ability to speak in many foreign languages and ability to learn coding in Purdue. It also proven by

Good in Communication

Able to work in very different field, such as marketing

Balance Social Life

Always try to engage in community, for example conducting free hair-cut for student here in Purdue area

Hobbies

Learn New Technology

Learn about the latest technology which helpful in company and Improve my engineering and programming skills

Soccer

Play indoor and outdoor soccer for fun

Read Various Books

Love reading many different types of book ranging from history, education, psychology, dan technology