

## Krisna Adi Pawitan

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Date of birth : 4<sup>th</sup> November 1988  
Citizenship : Indonesian  
Home Address : Bogor Baru blok A5 No. 1  
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### Education

- **Master of Science, Mechanical Engineering**, National Taiwan University of Science and Technology (NTUST), Taipei, awarded January 2014, GPA: 3.96 / 4.00  
Thesis Title: “Flow and Mixing Characteristics of Elevated Jet in Crossflow Excited by Acoustic Waves”
  - Analysis of the flow and mixing characteristics of an acoustically excited elevated transverse jet using experimental approach. An instantaneous flow image was obtained using laser and high speed camera, hot-wire anemometer was used for analyzing the velocity field, and a gas-tracer device was utilized for quantitatively analyzing the mixing quality of the jet-in-crossflow.
- **Bachelor of Science, Mechanical Engineering**, Institute Technology of Bandung (ITB), Indonesia, awarded June 2011, GPA: 3.39 / 4.00  
Thesis Title: “Numerical Analysis of TJE500FH ver.2’s Compressor Performance”
  - Analysis of the performance characteristics of TJE500FH ver. 2’s compressor design using numerical approach. TJE500FH is a turbo jet engine designed by Dr. Firman Hartono as the main power source for an Unmanned Aerial Vehicle.

### Management and Committee Work

- **1<sup>st</sup> Annual Scholar Conference in Taiwan (AISCT)** 2013, Program Division and Master of Ceremony
- **Indonesia’s Culture Exhibition NTUST** 2013’s committee member
- **International Universities Exchange Seminar (IUES)** 2011, Program Division, it was held by ITB in collaboration with Toyohashi University of Technology, Japan
- Seminars and workshops coordinator for the Mechanical Engineering Students at Institute Technology of Bandung (ITB)

### Scholarship and Academic Awards

- Master’s degree scholarship from National Taiwan University of Science and Technology: Full Tuition Waver and Monthly Stipend for two years of Master’s Study
- Outstanding Student at Lembaga Indonesia Amerika (LIA) English Course – Bogor: Full Tuition Waver

## Organizational Experience

- Member of Thermal Science and Fluid Mechanics Lab., Mechanical Engineering Dept. NTUST
- Head of ITB Taekwondo Extracurricular Unit, from 2009 to 2011
- Research Division of ITB Mechanical Engineering Students Association
- Head of Regina Pacis High School Taekwondo and Aikido Units

## Language Ability

- Bahasa Indonesia : Mother Tongue
- English : excellent understanding of writing, listening, and speaking  
IELTS test result 7.5 in 2013, TOEFL test result 593 in 2011.
- Chinese (Mandarin) : pre-intermediate level
- Japanese : Beginner level

## Technical Drawing and Computer Skills

- Solidworks, ANSYS, Autodesk Inventor, GAMBIT, Fluent, Star-CD
- Microsoft Office

## Membership of Professional Association

- American Society of Heating, Refrigerating, and Air-conditioning Engineers (ASHRAE) ITB student chapter

## Internship and Part-time Experiences

- **Astra Daihatsu Motor (ADM) Indonesia**, from June to July 2010.  
Research and Development Department Intern  
*Role and Responsibility:* I help ADM with Daihatsu Gran Max cool box's heat transfer analysis project as requested by PT Yakult Indonesia for Yakult Distribution Car
- **Ugear-group, Taiwan**, from March to June 2014 as Technical Sales

## REFERENCES

- Dr. Tri Yuswidjanto Zaenuri  
Internal Combustion Laboratory  
Bandung Institute of Technology, Indonesia  
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- Prof. Dr. Rong Fung Huang  
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- Dr. Ching Min Hsu  
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## Conference

1. Hsu C, Pawitan K, (2014) Effect of acoustic excitation on the shear layer vortices of the stack-issued jet in crossflow. Oral presentation at *International Research Conference on Engineering and Technology (IRCET)*, Bali, Indonesia