

HANDY WICAKSONO, PH.D.

Associate Professor, Petra Christian University

Electrical Engineering lecturer with over 22 years of teaching and research experience. Holds a Ph.D. from the School of Computer Science & Engineering, UNSW. Currently serves as Dean of the Faculty of Industrial Technology, Petra Christian University. Author of 50+ publications and 3 simple patents in industrial automation, robotics, AI, and IoT.

In the past 6 years, led a 3-year research grant (PTUPT), a matching fund (Kedaireka), a world class professor grant, and an institutional development grant (PKKM) from Dikti. In 2026, received the DAAD International Dean Course - SEA grant.

EDUCATION

- University of New South Wales
  Ph.D. - School of Computer Science & Engineering
  2014 - 2019
- Sepuluh Nopember Institute of Technology
  M.T. - Electrical Engineering Department
  2007 - 2009
- Sepuluh Nopember Institute of Technology
  S.T. - Electrical Engineering Department
  1998 - 2003

AWARDS

- **2023 - Petra Award**
  Lecturer with the Best Research Performance in Science and Eng.
- **2022 -Best Paper**
  6th ICITESEE (AMIKOM, Yogyakarta)
- **2021 - Best Paper in Electrical Eng.**
  4th ICET4SD (UII, Yogyakarta)

CONTACT

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WORK EXPERIENCES

- Dean of Industrial Technology Faculty, PCU (*2025 - now*)
- Visiting Fellow, School of CSE, UNSW (*2023*)
- Head of Electrical Engineering Dept., PCU (*2022 - 2025*)
- Secretary of Electrical Engineering Dept., PCU (*2020 - 2021*)
- Trainer & consultant in industrial automation (*2019 - now*)
- Teaching & laboratory assistant, UNSW (*2015 - 2018*)

GRANTS & SCHOLARSHIPS

- International Dean Course SEA dari DAAD (2026)
  in Osnabruck, Berlin (Jerman), and Kuala Lumpur (Malaysia)
- PKKM Institutional Development Grant, Dikti (2024)
  Head of team, Electrical Engineering Department, PCU
- Head of PTUPT Research Grant, Dikti (2021 - 2023)
  Head of team, title: "Integrated Smart System to Support Home Care Services for Older Adults"
- World Class Professor, Dikti (2023)
  In collaboration with Prof. Claude Sammut (UNSW Sydney)
- Head of Matching Fund (Kedaireka), Dikti (2022)
  Head of team, title: "AI- and Industrial IoT-Based Smart Tissue Defect Detection"
- Overseas Postgraduate Program, Dikti (2014 - 2017)
  To pursue Ph.D. in School of Computer Science and Eng., UNSW

INTERESTS, EXPERTISES

- Research Interests
  - Artificial intelligence application in robotics & automation
  - Smart manufacturing
  - Active assisted living
  - IoT applications
- Expertises
  - Industrial automation
  - Control system
  - Robotics
  - Artificial intelligence
  - Internet of things

Updated 6 September 2026