

Curriculum Vitae

PERSONAL DATA

Name : Nur Sakinah Asaad
Gender : Female
Nationality : Indonesian
Place and Date of Birth : Bangkok-Thailand | 25/11/1982
Affiliation : Teaching Factory Manufacturing of Electronics
Electronics Manufacturing Study Program
Politeknik Negeri Batam, Indonesia (www.polibatam.ac.id)
Phone and Mobile : +62 778 469859 | +628194114001
Email address : nina.asaad@polibatam.ac.id
Address : Apartment of Politeknik Negeri Batam, Jalan Ahmad Yani, Batam Center,
Batam, Indonesia 29461

ACADEMIC QUALIFICATION

2010 - 2013 | **Master of Engineering, M.T.**
Institut Teknologi Bandung, Indonesia
School of Electrical Engineering and Informatics majoring in Microelectronics
Supervisor: Arif Sasongko, S.T., M.Sc., Ph.D
Thesis: Design Flow of Embedded System with VHDL Code Framework Generated Automatically

2000 - 2004 | **Bachelor of Engineering, S.T.**
Universitas Hasanuddin, Indonesia
Electrical Engineering Department majoring in Control and Electronics
Supervisors: Dr. Ir. Rhiza S.Sadjaad, MSEE & Faisal Arya Samman, S.T., M.T.
Final Project: Implementation of Fuzzy Logic on FPGA Chip using Verilog HDL

WORK EXPERIENCE

2013 - Current | **Lecturer**
Politeknik Negeri Batam
Electrical Engineering Department
Job Description:

- Lecturing in Printed Circuit Board Assembly (PCBA), Analog Electronics, Digital Electronics
- Team Teaching in Integrated Circuit (IC) Packaging, Surface Mount Technology
- Researching in Electronics Manufacturing Technology

2006 - 2010 | **Team Assistant Staff**
PT. Nokia Siemens Networks (Formerly PT. Siemens Indonesia)
Sulawesi, Maluku and Papua (Sulmapua) - Telkomsel Project
Job Description:

- Alarm monitoring and reporting of new Base Transceiver Station (BTS)
- Document preparation of new on air BTS
- Coordinating with subcontractor for new on-air supporting data

MEMBERSHIPS

[10/2020 – 12/2022] **The Institution of Engineers Indonesia**

[26/11/2020 – 31/12/2022] **IEEE - Institute of Electrical and Electronics Engineers**
IEEE Indonesia Section – Electron Device Society (EDS)
IEEE Indonesia Section – Electronics Packaging Society (EPS)

CERTIFICATION

[16/11/2021 – 11/2023]

Certified IPC Specialist (CIS), IPC-A-610 Acceptability of Electronics Assemblies

[06/12/2019 – 31/12/2021]

Certified IPC Trainer (CIT), IPC J-STD-001 Requirements for Soldered Electrical and Electronic Assemblies

[15/12/2016 – 15/12/2018]

Certified IPC Specialist (CIS), IPC-6012 Rigid Printed Board Performance Specifications

[03/11/2014 – 03/11/2016]

Certified IPC Trainer (CIT), IPC-7711/7721 Reworks, Modification and Repair of Electronics Assemblies

COURSES AND INTERNATIONAL EXPERIENCES

[01/09/2021 – 05/09/2021] **IEEE EDS Summer School on "Recent Trends in Nanotechnology and Nanoelectronics: Devices, Circuits, and Systems"**

IEEE EDS NIT Silchar Student Branch Chapter and IEEE Kolkata Section Nanotechnology Council Chapter, India

[23/08/2021 – 27/08/2021] **IEEE Electron Devices Society - Summer School 2021 "IoT System in Package Assembly for Humanity Application"**

IEEE EDS Indonesia Chapter, Batam, Indonesia

[10/08/2021 – 12/08/2021] **IEEE CIS Summer School on Computational Intelligence for High-School Student Learning**

IEEE Computational Intelligence Society, Japan and Taiwan

[14/01/2019 – 01/02/2019] **Introductory Training Course in Nanofabrication Technologies**

Centre for Nano Science and Engineering (CeNSE) Indian Institute of Science (IISc), Bangalore, India

[23/10/2017 – 15/12/2017] **Electrical Engineering Technology Power System Competency**

Southern Alberta Institute of Technology (SAIT), Calgary, Alberta, Canada

[07/05/2016 – 05/06/2016] **Internship Program on Establishing Centers of Technology (COT) in Polytechnics**

*Colleges and Institutes Canada, **Host:** Humber College Canada*

Participating Institutions: Cambrian College, Niagara College Canada, Conestoga College and Seneca College, Toronto (Canada)

[09/10/2017 – 11/10/2017] **Lean Six Sigma Yellow Belt**

PT. DBeyond Kreatika Indonesia

LabVIEW Core 2

[07/05/2015 – 09/05/2015] *National Instruments*

PUBLICATIONS

N. Wivanius, **N.S. Asaad**, H. Wijanarko, I. Zamzami; Design of Experiment (DOE) Liquid Photoimageable Solder Masks PCB in Teaching Factory Manufacturing of Electronics (TFME) Politeknik Negeri Batam; Jurnal Integrasi Vol. 12 No.1, April 2020. DOI: <https://doi.org/10.30871/ji.v12i1.1987>

N.S. Asaad, Purwanto; Trim Form Machine Modification on Integrated Circuit Packaging Process for Damaged Lead Decrement; Vol. 12 No.1, April 2020. DOI: <https://doi.org/10.30871/ji.v12i1.1889>

B. Budiana, **N. S. Asaad**, B. Sugandi, F. Nakul, V. Octowinandi and M. T. Ginting, "The Effect of FC38 and FC34 as Etching Solutions on Multilayer PCB," *2020 3rd International Conference on Applied Engineering (ICAE)*, 2020, pp. 1-5, DOI: 10.1109/ICAE50557.2020.9350553.

D. Istardi, A. B. Kusuma, **N.S. Asaad**, H. Saputra; Automatic Identification System (AIS) Decode Design for Ship Monitoring using Labview Software; Vol 54 No 1 Journal of Ocean, Mechanical and Aerospace -science and engineering- (JOMase); Vol. 54 No. 1, 2018.

Detail publications can be accessed in <https://scholar.google.co.id/citations?user=Gk9pVFfsAAAAJ&hl=id>

DIGITAL SKILLS

Familiarity with VHDL (Quartus II) and DSP Builder for Altera FPGAs / Test circuits software: Multisim and LTSpice IV / L-Edit / Hardware description language (VHDL, Verilog)

LANGUAGE SKILLS

Bahasa Indonesia

English (IELTS Academic; Certificate Date: 21/05/2022)

Overall Band Score: **7.0**; Listening 7 Reading 8 Writing 6.5 Speaking 6.5 CEFR Level C1

MANAGEMENT AND LEADERSHIP SKILLS

[2016 – 2020]

Head of Electronics Manufacturing Study Program

Electrical Engineering Department, Politeknik Negeri Batam

PROJECTS

[2020 – 2021] Optimization of RFID Chip Tester Precision with Microstepping Method and Implementation of Unique ID with Laser Marking

Internal Research Scheme of Politeknik Negeri Batam

[2019 – 2021] Development of RFID Card Manufacturing Technology and Application System for Barang Milik Negara (BMN) Politeknik Negeri Batam

Industrial Technology Development Program, Ministry of Research, Technology and Higher Education.

REFERENCE

Arif Sasongko, S.T., M.T., Ph.D

Lecturer in School of Electrical Engineering and Informatics, Institut Teknologi Bandung, Indonesia
asongko@gmail.com

Dr. Ir. Basuki Rachmatul Alam

Head of IEEE – EDS Indonesian Chapter

Lecturer in School of Electrical Engineering and Informatic, Institut Teknologi Bandung, Indonesia

Expert in Teaching Factory Manufacturing of Electronics (TFME), Politeknik Negeri Batam

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