

Dahlan RP Sitompul

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Jl. Alumni No.2, Padang Bulan, Medan Baru,
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RESEARCH INTERESTS

Physics, Electrical, Electronics, Telecommunication, Microcontroller, Computer Organization and Architecture, Robotics, and Machine Learning.

EDUCATION

M.Eng Stud in Computer and Telecommunication Engineering, 2002 – University of Wollongong. Minor Thesis: *Routing in the Optical Layer*

Drs (Physics), October 1993 – Universitas Sumatera Utara.

APPOINTMENTS

Lecturer: ATI-Immanuel Medan and Universitas Sumatera Utara, Department of Computer Science and Information Technology, February 1994 to Present.

PUBLICATIONS

Book

Sitompul, Dahlan. A-Z microcontroller 8051 : perangkat keras, antar muka, pemrograman dan aplikasi: USU Press, ISBN: 978-979-458-983-0

Peer-reviewed Journals

Sitompul, Dahlan . “A teaching media of using the busy bit and SDCC in displaying character string on LCD in MCU 8051 IDE” Alexandria Engineering Journal
Volume 57, Issue 2, June 2018, Pages 813-818

Sitompul, Dahlan. “AN ACTIVE LEARNING MEDIA OF INTERFACING MICROCONTROLLER 8051 TO 4X4 KEYPAD USING MCU 8051 IDE AND ASM-51”, ARPN Journal of Engineering and Applied Sciences, VOL. 13, NO. 8, APRIL 2018

Sitompul, Dahlan. “Developing Learning Media of Teaching of 8051 Microprocessor in Data Retrieval to Support the ALFHE”, INTERNETWORKING INDONESIA JOURNAL, Vol. 9/No. 1 (2017).

Sitompul, Dahlan. "DEVELOPING A TEACHING MEDIA OF MICROCONTROLLER 8051 IN DISPLAYING CGRAM CHARACTER ON LCD BY USING THE MCU 8051 IDE AND ASM51 IN SUPPORTING ALFHE", ARPN Journal of Engineering and Applied Sciences, VOL. 11, NO. 19, OCTOBER 2016

CONFERENCE PRESENTATIONS

2016. Sitompul, Dahlan. "2016 International Conference on Industrial Internet of Things"

TEACHING EXPERIENCE

Lecturer, ATI-Immanuel

- Physics
- Microprocessor and Programming
- Electronic Devices

Lecturer, Universitas Sumatera Utara

- Computer organization and Architecture
- Microprocessor and Programming
- Computer Network

HONORS / AWARDS

Best Paper Award, June 2014

Best Paper Award, April 2014

LANGUAGES

Indonesia (native)

English (bilingual oral and written fluency)

MEMBERSHIPS / AFFILIATIONS

Ikatan Sarjana Fisika Indonesia (Indonesia Bachelor Physics Association)

Ikatan Dosen Indonesia (Indonesia Lecturer Association)

Ikatan Sarjana Teknik Komputer (Indonesia Computer Engineer Association)