



HU D&I ACTIVITIES

広島大学ダイバーシティ&インクルージョン推進機構 活動報告

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Inclusive Education and Technology Perspectives and Implementations from Indonesia

- ◆ Date and time
October 30, 2024
10:00 am~12:00 pm
- ◆ Venue
Mirai Crea, in HU
- ◆ Number of participants
40 Participants
- ◆ Department in charge
Well Being promotion office

- ◆ Goal of this event
To present an insightful seminar on innovative approaches and advancements in inclusive education, focusing on leveraging AI and technology to enhance educational services for individuals with disabilities.

HIROSHIMA UNIVERSITY
Organized by:
Hiroshima University The Institute for Diversity & Inclusion,
Well-being Promotion Office, and Center for the Practice of
Special Needs Education

Inclusive Education and Technology: Perspectives and Implementations from Indonesia

Join us for an insightful seminar discussing innovative approaches and advancements in inclusive education, focusing on leveraging AI and technology to enhance educational services for persons with disabilities.

DR. AHSAN R. JUNAIDI
Associate Professor of Malang State University
The AI-based smart assessment prototype to improve education services for persons with disabilities in higher education.

DR. EDIYANTO
Senior Lecturer of Haringkatjo University
The Braille dictionary through a 3x3 system to support equation and notation in physics concept.

DR. LUKMAN HAKIM
Associate Professor of Yudharta University
Sign Language to Speech AI-based Prototype using of Machine Learning Approach.

TATA GADING
Graduate Student of Hiroshima State University
Bibliometric Analysis on the Implementation of Technology and Cybergogy Theory in Inclusive Education for Higher Education.

SRI SAKTIANI
Principal of Sakti Persewaan by School
Best Practice Educational Service in Inclusive School: Early Childhood and Islamic Elementary School Modern SAKTI Persewaan IBU.

October 30, 2024
10:00 am - 12:00 pm
1st Floor, MiraiCrea,
Hiroshima University
(Multi-Purpose Space)

REGISTER NOW
<https://shorturl.at/rkfs0>

Free Registration
All presentations are given in English

Co-Chair:
Associate Professor
(Special Appointment)
Norimune Kawai
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◆ Report

At a seminar on inclusive education, Dr. Ahsan Romadlon Junaidi from Malang State University introduced an AI-driven prototype using EfficientNet CNN to identify visually impaired students by analyzing eye conditions in registration images aimed at expanding inclusive services. Dr. Ediyanto presented a specialized 3x3 Braille system for tactile interpretation of complex scientific symbols to support independent learning in physics. Dr. Lukman Hakim from Yudharta University showcased an AI model employing Random Forest to translate Indonesian Sign Language (BISINDO) into spoken words with over 90% accuracy, enhancing communication for the deaf. Tata Gading J. discussed heutagogy and cybergogy in promoting inclusive higher education, highlighting limited research in these frameworks. Sri Saktiani shared her inclusive approach to early education in Indonesia, emphasizing individualized plans and social-emotional skills integrated with Islamic values. The seminar concluded with an engaging Q&A and closing remarks by Prof. Norimune Kawai.

