

SHARING KNOWLEDGE FORUM  
IKA TEKNIK PERMESINAN KAPAL PPNS

# Pentingnya Melanjutkan Pendidikan ke Jenjang Lebih Tinggi

ADHITOMO WIRAWAN  
TK3 - 2009



# Profil

## Pendidikan

D4 T. Keselamatan & Kesehatan Kerja - PPNS  
S2 Industrial Management - National Taiwan  
University of Science and Technology

## Pekerjaan

Politeknik Negeri Batam - Dosen - Lektor (2016 -  
Sekarang)

Universitas Terbuka - Tuton (2022 - Sekarang)

KDEI Taipei - Departemen Ketenagakerjaan (2015)

PT.PP - Safety Supervisor (2013)

## Pelatihan & Kursus

City of Glasgow College - Skills for Prosperity  
Program - UK (2022)

Festo - Industrial Production & Industry 4.0 - AT  
(2017)

Ministry of Education Austria - Vocational  
Didactics - AT (2017)

Temasek Polytechnic - Digital Literacy - SG (2017)



# Profil

## Kompetensi

Certified Port Management - AAPM - 2024

Six Sigma - ISCQ - 2023

EJLog - European Logistics Association - 2021

Supply Chain Manager - BNSP - 2021

FIATA Higher Diploma in Supply Chain

Management - FIATA - 2021

FIATA Higher Diploma in Freight Forwarding -

FIATA - 2021

Logistics Administrative Officer - BNSP - 2021

Export Staff - BNSP - 2019

Sertifikat Dosen - Kemendikbud RI - 2019

Calon AK3 Umum - Kemenaker RI - 2012

## Projek

Pelindo 3, Pemko Batam, BI Kepri, BP Batam,

Rumah Sakit BP Batam, British Embassy for

Indonesia

## Riset

Human Resources, Human Factors Engineering,  
Quality Management, Risk Management, OHS, OR  
& SCM & Logistics Operation

# Karakteristik Negara Maju

1. Memiliki Pendapatan per kapita yang Tinggi
2. Keamanan Terjamin
3. Fasilitas Kesehatan Memadai
4. Tingkat Pengangguran Rendah
5. Menguasai Sains dan Teknologi
6. Tingkat Ekspor Lebih Tinggi dari Impor

(cnnindonesia.com)



**Jumlah Penduduk Hasil SP2020**  
(September 2020)

**270,20 juta jiwa**

Bertambah 32,56 juta jiwa dibandingkan SP2010

**Persentase Penduduk Usia Produktif**  
(15-64)

**70,72%**

Indonesia masih dalam masa bonus demografi

**Rasio Jenis Kelamin**

**102**

Terdapat 102 penduduk laki-laki untuk setiap 100 penduduk perempuan

**Laju Pertumbuhan Penduduk per Tahun**  
(2010-2020)

**1,25%**

Melambat dibandingkan periode 2000-2010 yang sebesar 1,49%

**Persentase Penduduk Lansia**

**9,78%**

Naik dibandingkan tahun 2010 yang sebesar 7,59%

**Pulau Jawa dengan Konsentrasi Penduduk Terbesar**

**56,10%**

Luas wilayah Pulau Jawa hanya sebesar 7% wilayah Indonesia

# HASIL SENSUS PENDUDUK 2020

Berita Resmi Statistik No. 07/01/Th. XXIV, 21 Januari 2021

**Jumlah Penduduk Indonesia Hasil SP2020**  
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**102**

Terdapat 102 penduduk laki-laki untuk setiap 100 penduduk perempuan

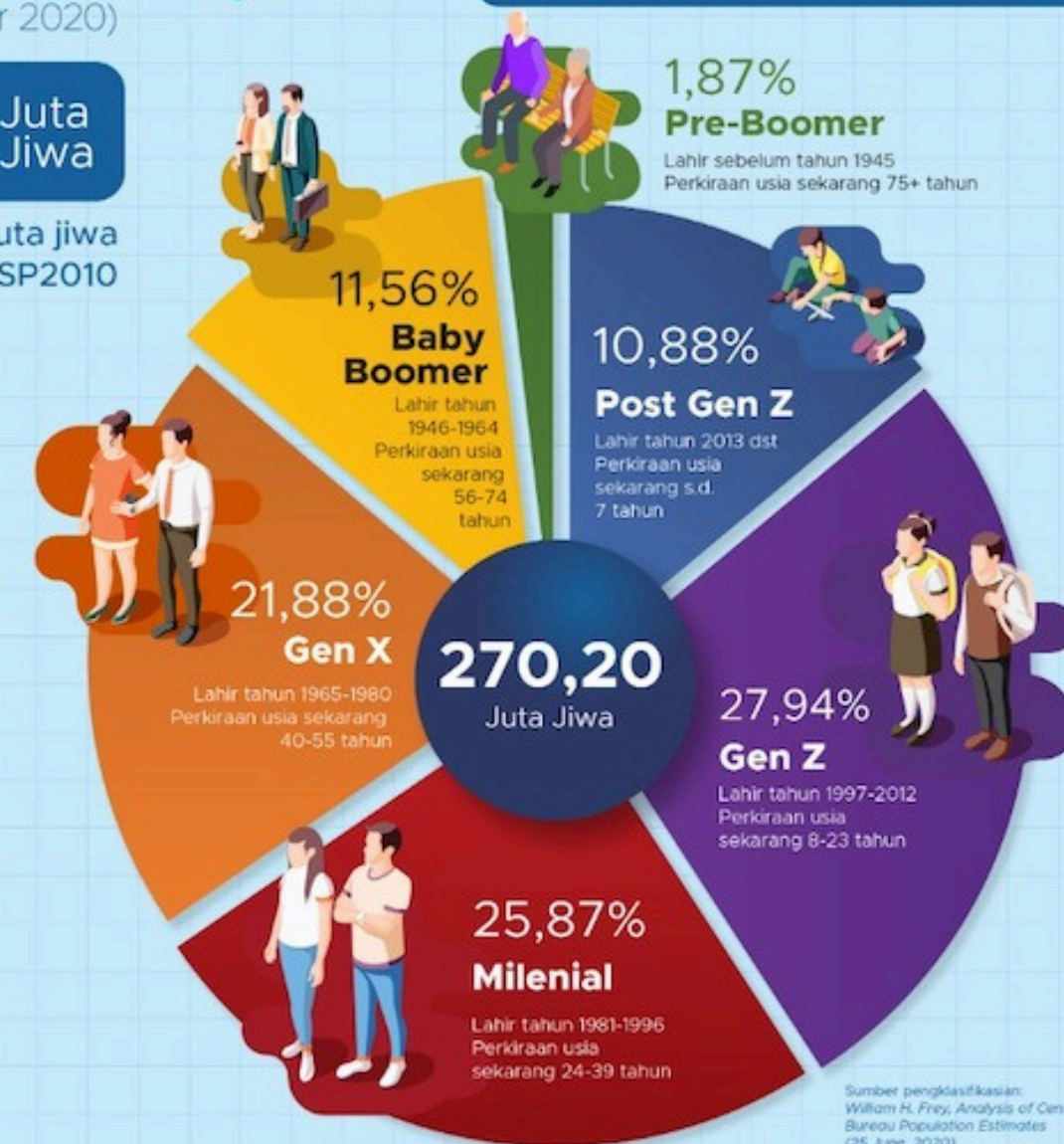
**Sebaran Penduduk Indonesia Menurut Wilayah**

**Penduduk Indonesia Masih Terkonsentrasi di Pulau Jawa**

Dengan Luas Sebesar **7%** dari Wilayah Indonesia, Pulau Jawa dihuni Sebanyak **151,59** Juta Jiwa atau **56,10%** Penduduk Indonesia



**Komposisi Penduduk Indonesia**

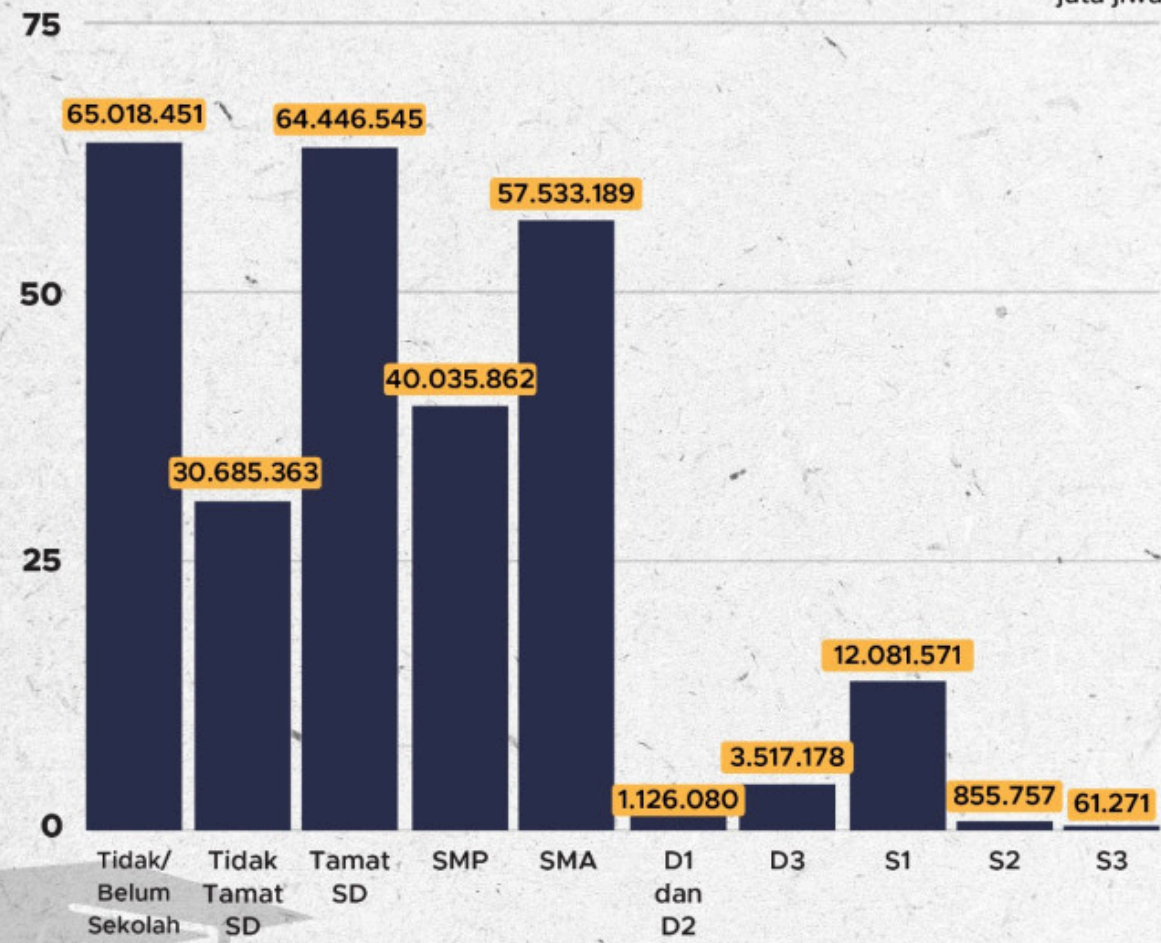


Sumber pengklasifikasian: William H. Frey, Analysis of Census Bureau Population Estimates (25 June, 2020)



## Tingkat Pendidikan Masyarakat Indonesia 2022

juta jiwa

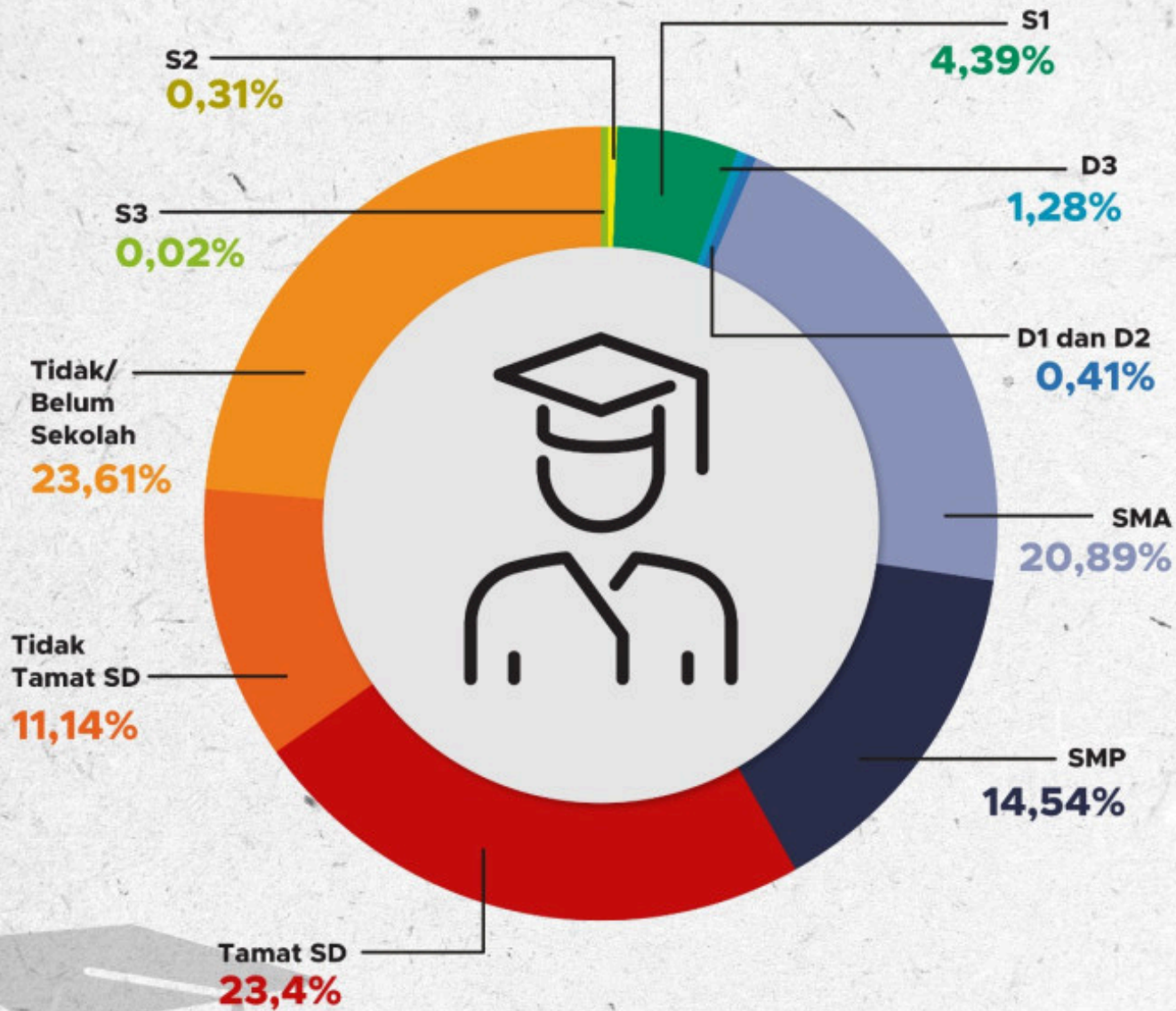


01

Sumber: databoks.katadata.co.id  
Gambar: Shutterstock

## Tingkat Pendidikan Masyarakat Indonesia 2022

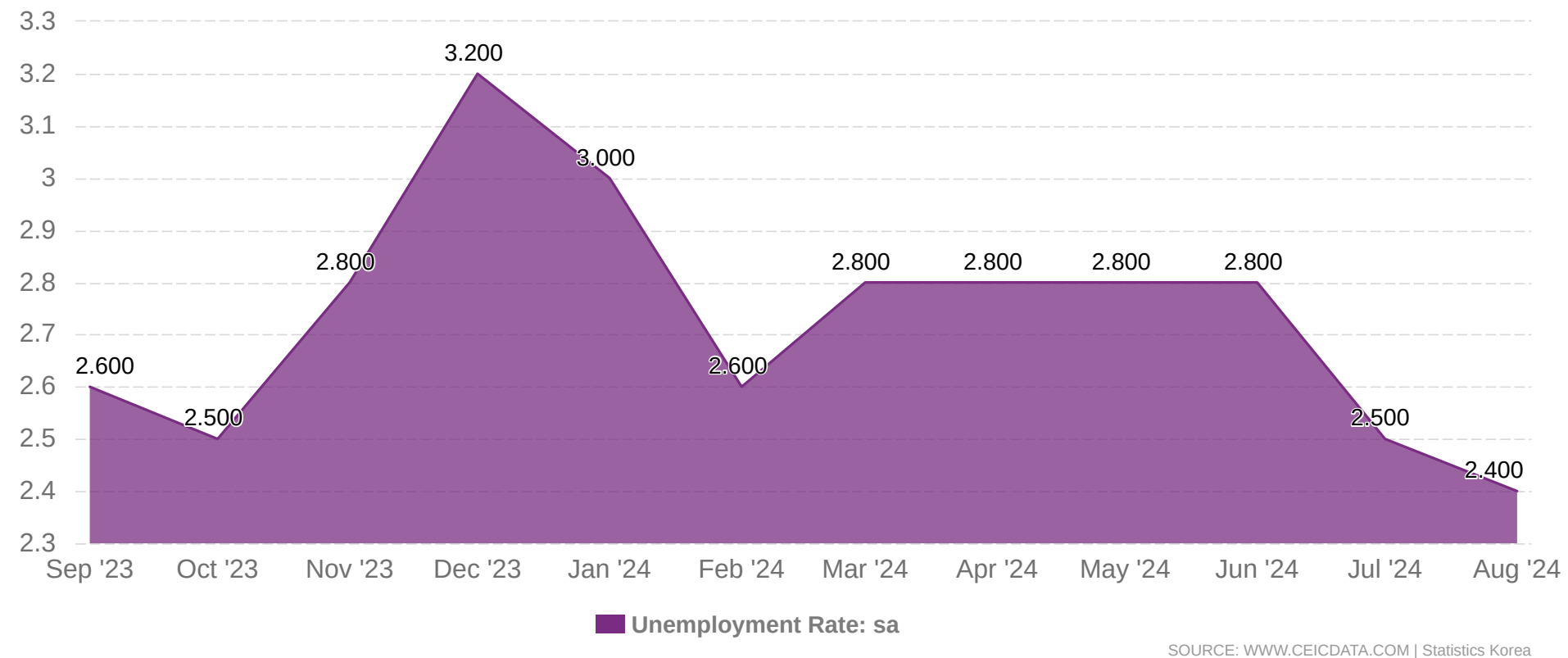
Berdasarkan Persentase



02

Sumber: Databoks  
Gambar: Shutterstock

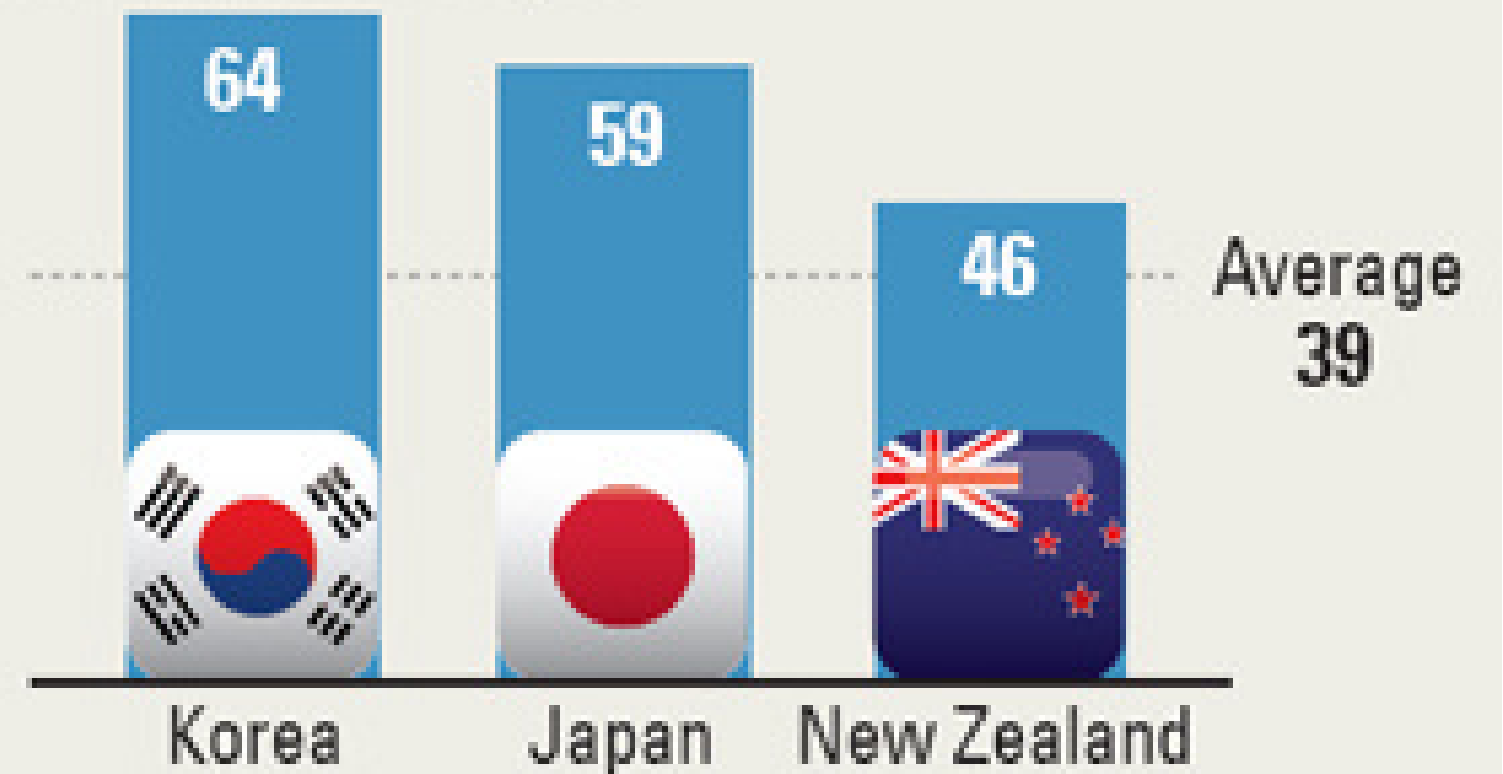
# Perspektif Korea Selatan



## Degree happy

(Unit: %)

Percentage of people aged 25-34 with a bachelor's degree



# Perspektif India

BUSINESS | INDIA

## India: High youth unemployment poses massive challenge

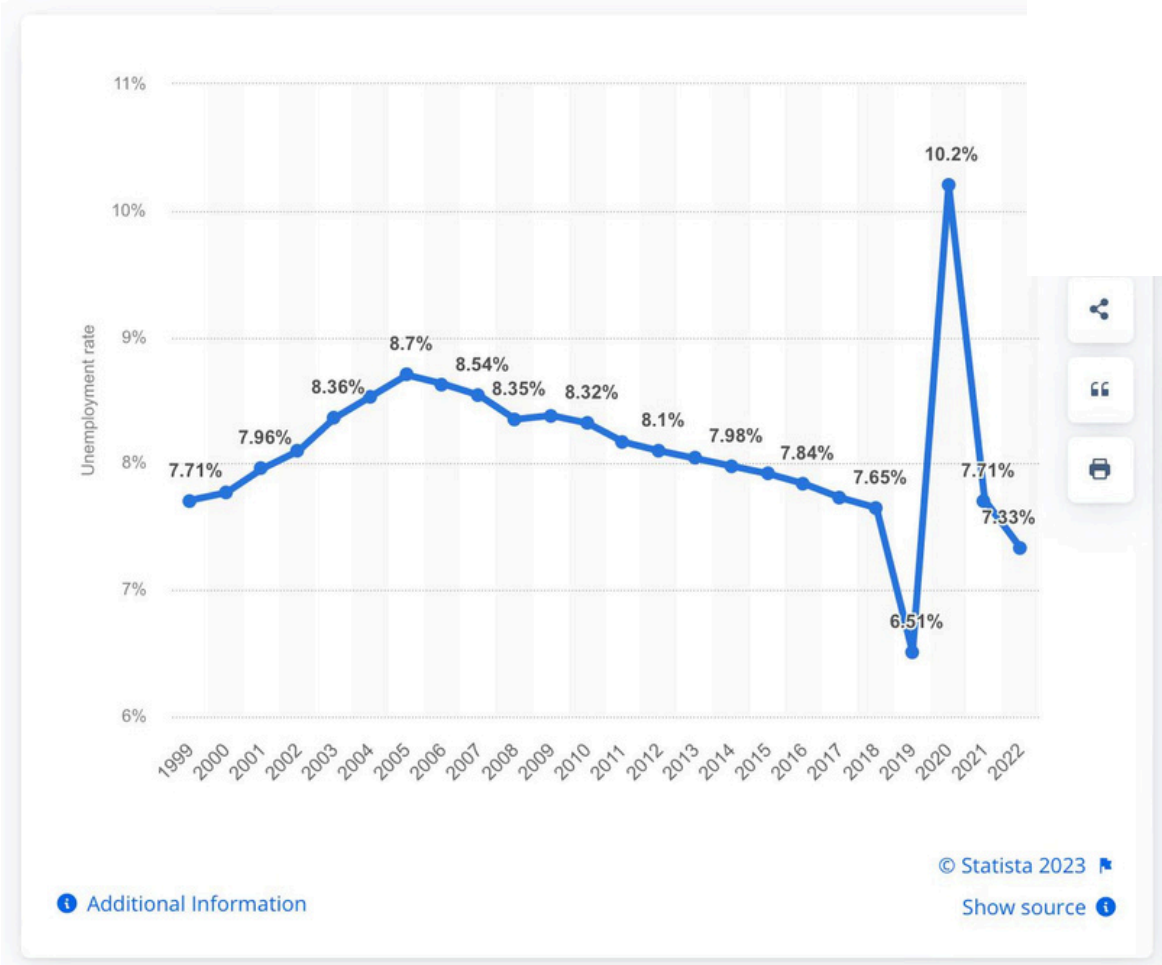
Charu Kartikeya in New Delhi  
05/07/2024

Millions of young people are entering India's labor market every year and generating decent jobs for them poses the biggest challenge for the nation's leadership.




Unemployed youth standing in line in front of a building

### India: Unemployment rate from 1999 to 2022





# Beberapa Relasi berasal dari India




#OPENTOWORK


**AMIT KUMAR BEDAKA** ✓ (He/Him) · Ke-1


Head of Design @ Sensable | Lead Scientist (Marie Curie Fellow) | Expert in Robotics, CAD/CAM Software, and Product Innovation | Ph.D. in Mechanical Engineering


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 **Sensable**

 **National Taiwan University of Science and Technology**





**NASIM KAMELY, Ph.D.** · Ke-1

Dept. of Physics, NTU, Taiwan

Bengal Barat, India · [Informasi kontak](#)

[333 koneksi](#)


  dan 7 koneksi bersama lainnya


[Pesan](#) [Lainnya](#)

**Tentang**

Presently I am working as, Post- Doctoral fellow: Dept. of Physics, NTU, Taiwan; Biophysics & Biophotonics laboratory, working on advance glycation end product (AGE) detection in sugar patients' blood samples from hospital by fluorescence spectroscopy.

I worked as a guest Professor at the Dept. of Chemistry, Aliah University (A UGC & AITCE Institution under the Department of Minority Affairs and Madrasah Education, Govt. of West Bengal, India), New Town Campus, Kolkata, West Bengal (25-01-19 to 31.12.19).

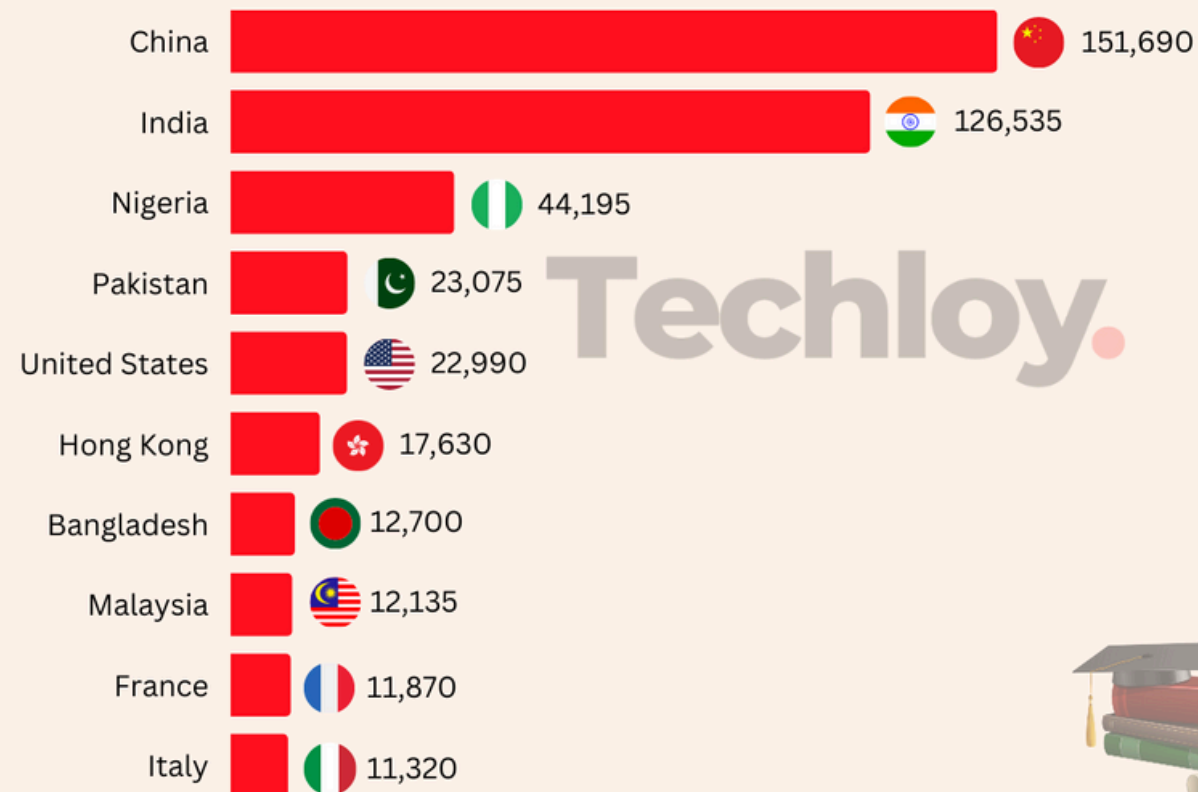
 **NTU, Taiwan**

 **Graduate school of Applied Science and Technology,...**

# Statistik Mahasiswa di Luar Negeri

## Countries With The Most International Students in the UK

Based on data from Higher Education Student Statistics' total enrolment figures (2021/2022\*)



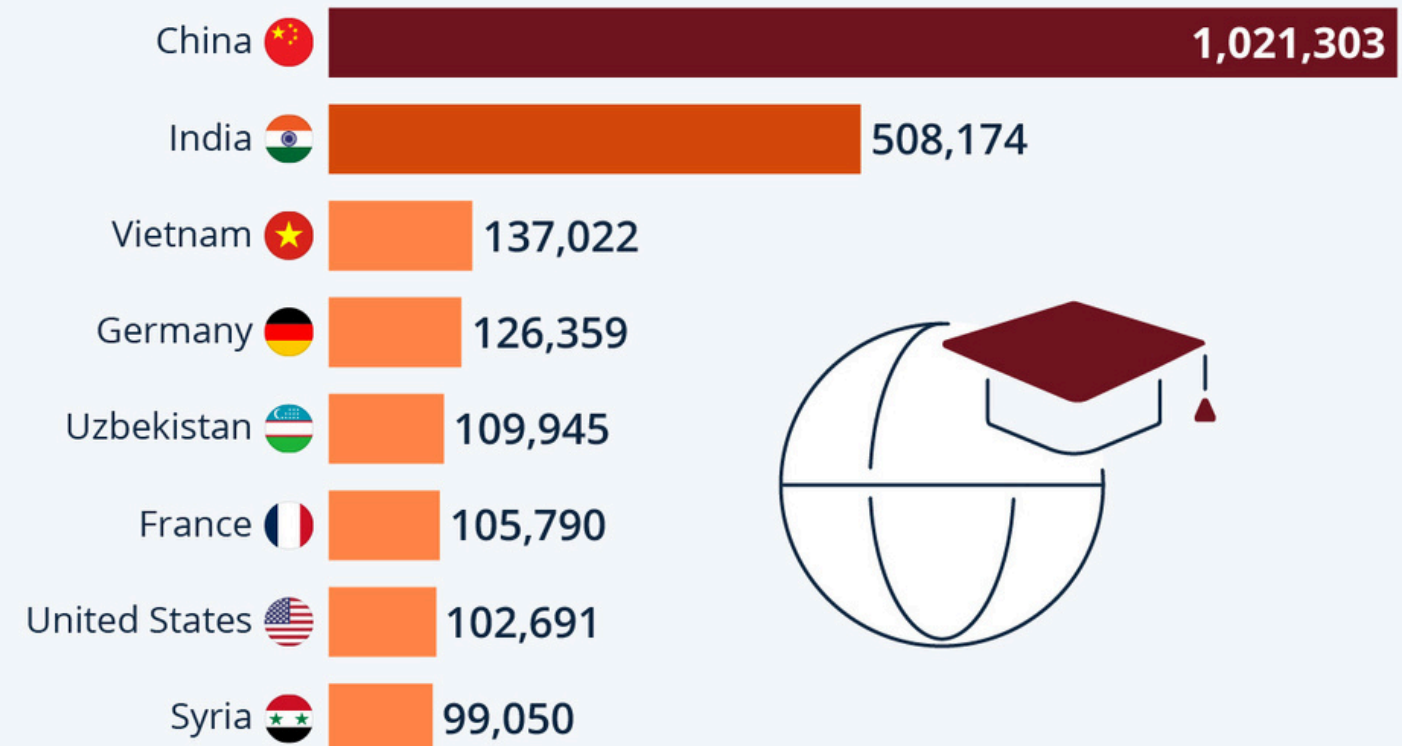
\*data as of February 2023

Chart: Loy Okezie / Techloy.com

Source: HESA

## The Countries With the Most Students Studying Abroad

Estimated number of students from the following countries who studied abroad in 2021



Source: UNESCO



statista

# Mengapa melanjutkan pendidikan itu penting?

1. Mengasah Kemampuan dan Pengetahuan
2. Memperluas Jaringan Profesional
3. Membuka Peluang Karir yang Lebih Baik
4. Mengembangkan Kemampuan Analisis dan Pemecahan Masalah
5. Meningkatkan Kepercayaan Diri
6. Membuka Peluang Belajar Seumur Hidup
7. Menginspirasi Orang Lain di Sekitar Anda
8. Membangun Landasan untuk Masa Depan yang Stabil
9. Mendukung Inovasi dan Perubahan



# Tantangan Melanjutkan Studi

1. Keterbatasan Ekonomi
2. Kesenjangan Pendidikan
3. Kualitas Pendidikan yang Berbeda-beda
4. Ketidaksetaraan Gender
5. Ketidakcocokan Jurusan dengan Minat dan Bakat
6. Tingginya Tingkat Persaingan



# Tips Melanjutkan Studi

1. Mulai Ubah Mindset
2. Temukan Gaya Belajarmu dan Optimalkan
3. Tingkatkan kemampuan mencatat
4. Membangun Jaringan dan Relasi
5. Melek Informasi dan Teknologi
6. Manajemen Waktu yang Baik
7. Perluas wawasan dalam kaitannya dengan bidang yang dipelajari
8. Komunikasi yang baik dengan Pengajar/LaboranDosen
9. Jaga Kesehatan Jasmani dan Rohani
10. Pelajari Bahasa Asing
11. Beribadah
12. Jangan Menyerah



# Beberapa Relasi yang Sukses

Home / Faculty / College of Engineering

## Assistant Professor Iman Adipurnama

**Name :** Iman Adipurnama  
**Position :** Assistant Professor  
 PhD in Materials Science & Engineering,  
**Degree :** National Taiwan University of Science and Technology  
**E-mail :** iman@mail.ntust.edu.tw  
**Office :** T1-301-1  
**Tel :** +886-2-2730-3659  
**Office Hour :** Mon, Wed, Thu 14:00-17:00  
**Hour :** Tue 9:00-11:00



## Parindra Kusriantoko

PhD Candidate  
 Department of Materials Science and Engineering  
 Faculty of Natural Sciences

parindra.kusriantoko@ntnu.no  
 +4799074725 +6281233967738  
 223 Kjemiblokk 1 Gløshaugen, Trondheim

[in](#) [ResearchGate](#) [Google Scholar](#)



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### About

CV

I am a professional in materials science and engineering, holding an M.Sc degree from National Taiwan University of Science and Technology and currently expanding my expertise as a PhD candidate at NTNU, Norway, focusing on the Kinetics and CFD Modelling of the Zero Emission Aluminium (ZEAL) Project.

With over seven years in the aluminium industry, I have developed a diverse skill set, encompassing both technical acumen and managerial proficiency, primarily at PT INALUM (Persero) where I served as a Lead Engineer. My role involved intricate

Aluminium  
 Materials Science  
 Metallurgy  
 Modelling Simulation  
 Project Management

## Dr. Iqbaal Abdurrohman



Iqbaal completed his PhD in Material Science at Chalmers University of Technology in Gothenburg, Sweden, from 2017 to 2021, under the guidance of Prof. Anna Martinelli. He then went to the Universite Littoral Cote d'Opale in Dunkerque, France, to work with Prof. Sophie Fourmentin, studying on protic ionic liquids for use in capturing volatile organic compounds. His scientific interests include protic ionic liquid synthesis, characterizations its transport properties with intended application for proton conducting materials, and utilising protic ionic liquids for volatile organic compound absorption. Iqbaal is currently a postdoc in

Home > Core faculty > Dr Muhammad Khakim HABIBI

**Dr Muhammad Khakim HABIBI**

Assistant Professor  
 Department: Supply Chain Management and Information Systems  
 Nationalities:   
 Expertise liée aux objectifs de développement durable des Nations unies:

**Teaching**

- Introduction to Supply Chain Analytics - Postgraduate
- Advanced Analytics for Logistics - Postgraduate
- Optimization and Simulation - Postgraduate
- Management of Distribution and Transportation - Postgraduate
- Sustainable Supply Chain / Green Logistics - Postgraduate



Green Ergonomics and Human Behavior Laboratory

## Dr.Yogi Tri Prasetyo

[http://www.iem.yzu.edu.tw/english/faculty\\_info.aspx?id=yogi](http://www.iem.yzu.edu.tw/english/faculty_info.aspx?id=yogi)

### Research Field

Industrial Engineering and Management

Yuan Ze University

### Introduction

Research Topics  
 Honor  
 Educational Background  
 Job Position

## Introduction

Dr.Yogi Tri Prasetyo is one of the World's Top 2% Scientists 2023 and 2024 (Information & Communication Technologies, Stanford). Currently, he is an Assistant Professor at International Bachelor Program in Engineering and Jointly Appointed Assistant Professor at Department of Industrial Engineering and Management, Yuan Ze University, Taiwan. Previously, he was an Associate Professor at School of Industrial Engineering and Engineering Management at Mapua University (Philippines). Dr.Yogi received a Bachelor of Engineering in Industrial Engineering from Universitas

**Dina Nur Anggraini Ningrum, PhD**  
 Assistant Professor of Public Health Department, Faculty of Medicine, Universitas Negeri Semarang  
 Verified email at mail.unnes.ac.id

Biomedical Informatics Health Informatics Health Information System Public Health Epidemiology

TITLE	CITED BY	YEAR
Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990-2016: a systematic ... E Gakidou, A Alshin, AA Abajobir, KH Abate, C Abbafati, KM Abbas, ... Lancet 390 (10100), 1345-1422	12599 *	2017
Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990-2017: a systematic ... SL James, D Abate, KH Abate, SM Abay, C Abbafati, N Abbasi, ... The Lancet 392 (10159), 1789-1858	9639	2018
Global, regional, and national cancer incidence, mortality, years of life lost, years lived with disability, and disability-adjusted life-years for 32 cancer groups, 1990 to ... C Fitzmaurice, C Allen, RM Barber, L Barregard, ZA Bhutta, H Brenner, ... JAMA oncology 3 (4), 524-548	8070	2017
Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980-2017: a systematic analysis for the Global Burden of ... GA Roth, D Abate, KH Abate, SM Abay, C Abbafati, N Abbasi, ... The Lancet 392 (10159), 1736-1788	7231	2018
Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990-2016: a systematic analysis for the ... The Lancet 390 (10100), 1211-1259	5985	2017

**Cited by**

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i10-index	63	63

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Based on funding mandates

# Peluang Beasiswa



Beasiswa Pendidikan Indonesia



Beasiswa Unggulan

# Peluang Lowongan Pekerjaan

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Jobs for Scientists  
and Researchers



**ACADEMICTRANSFER**



- Two (2) positions available for Master candidates to work on supercapacitors based on 2-dimensional materials.
- Candidate should possess Bachelor in Materials Science, Materials Engineering, Chemistry, Electronics or other related backgrounds.
- Research will be based in IMEN, UKM Bangi
- Allowance is RM 1500 - 1800/month



**interested? contact me**

Dr. Abd Rahman Mohmad, [armohmad@ukm.edu.my](mailto:armohmad@ukm.edu.my)



**RIMC**  
USIM

## JOB VACANCY GRADUATE RESEARCH ASSISTANT (GRA)

**Project title:** Enhancing Cryptographic Resilience through Symmetric Encryption Algorithm Utilizing Variable Length Chromosomes Genetic Algorithm

**Funding:** Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education  
**Allowance:** RM2,800/month for PhD GRA or RM2,300/month for Master GRA  
**Duration:** 3 years (PhD) or 2 years (Master)  
**Programme:** Master of Science or Doctor of Philosophy in Science & Technology (Full time research mode)

**Requirement:**

1. Bachelor of Computer Science with CGPA 2.75 and above or Master of Computer Science.
2. Experience in programming, cryptography.
3. Proficient in English.
4. Work independently.

**Project leader**  
Dr. Nur Hafiza Zakaria  
Faculty of Science & Technology  
013-258 9856

**APPLY NOW!** **DEADLINE**  
**31 JULY 2024**

Post Graduate Student Admission:  
Semester I, 2024/2025 (October 2024)

For interested candidate, please send your resume, degree certificate, academic result transcript and other relevant document to:  
[mzhafiza@usim.edu.my](mailto:mzhafiza@usim.edu.my)



# Peluang Lowongan Pekerjaan

Job	Published To	Employment Type	External ID
PhD student in brain-inspired neuromorphic computing systems on chip	2024-11-30	Time limited employment (temporary)	LiU-2024-04086
PhD student in material science - Soft electronic solid-state cooling	2024-11-08	Time limited employment (temporary)	LiU-2024-04797
PhD student in Technology and Social Change	2024-10-31	Time limited employment (temporary)	TEMA-2024-00228
PhD student in Industrial Marketing with a focus on Sustainable Business Models	2024-10-31	Time limited employment (temporary)	IEI-2024-00569
PhD student in Computer Science	2024-10-30	Time limited employment (temporary)	IDA-2024-00181
PhD student in marketing	2024-10-28	Time limited employment (temporary)	IEI-2024-00558
PhD student in Computational Mathematics	2024-10-28	Time limited employment (temporary)	MAI-2024-00091
PhD student in Mathematical Sciences	2024-10-28	Time limited employment (temporary)	MAI-2024-00088
PhD student in Automatic Control	2024-10-14	Time limited employment (temporary)	LiU-2024-03101

## Three of our benefits

### Health

We give employees a tax-free amount of a maximum value of SEK 2,500 per calendar year to purchase preventive health care.

### Development

We have academic career development, different leadership programmes and exchange possibilities for staff abroad.

### Remuneration

We remunerate employees for the costs of prescription medicines up to the high-cost threshold.

## All benefits

### Health

#### Preventive healthcare

Linköping University aspires to be an attractive workplace where the well-being and health of the co-workers are important elements. Employees are offered a tax-free amount of a maximum value of SEK 2,500 per calendar year to purchase preventive health care.

#### Lifestyle tests

Several internet-based lifestyle tests are available to enable co-workers to easily gain information about their health choices, and receive personal

advice based on the answers. If necessary, detailed advice and tools can be used to support changes.

#### Pause exercises

LiU offers all co-workers a computer-based programme of pause exercises designed to prevent stiffness in the muscles of the neck, back and shoulders for those who spend a lot of time at a computer.

#### Costs for medicines

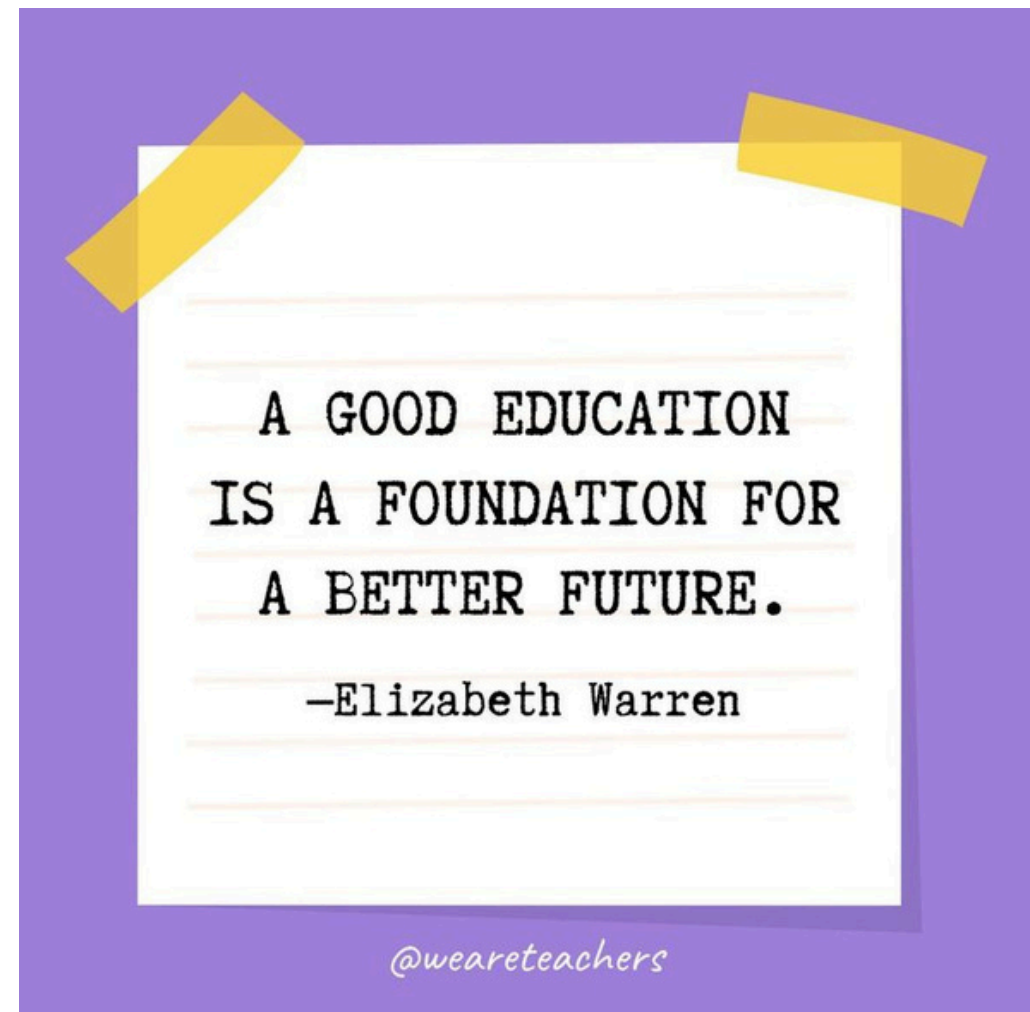
We remunerate employees for the costs of prescription medicines up to the high-cost threshold.



“

The only person who is educated is the one who has learned how to learn ...and change.

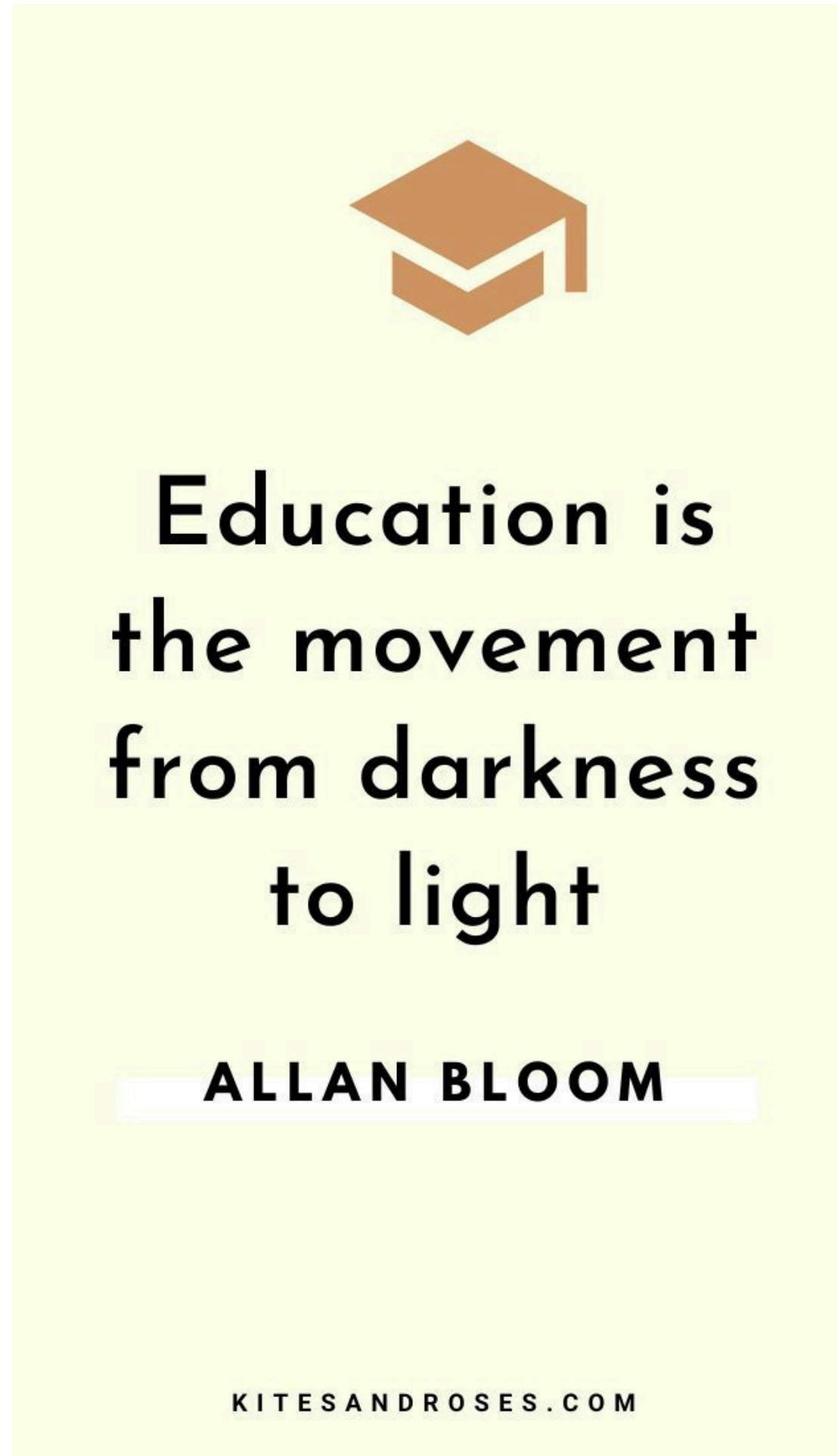
*Carl Rogers*



A GOOD EDUCATION IS A FOUNDATION FOR A BETTER FUTURE.

-Elizabeth Warren

@weareteachers



Education is the movement from darkness to light

ALLAN BLOOM

KITESANDROSES.COM



“

*"Education is the most powerful weapon which you can use to change the world."*

Nelson Mandela

Games4esl.com



“

The direction in which education starts a man will determine his future life.

*Plato*


# Kesimpulan

1. Indonesia memasuki era dimana populasi produktif yang sangat besar, akan tetapi potensi tersebut harusnya dimanfaatkan dengan cara peningkatan Sumber Daya Manusianya untuk menuju Indonesia Maju.
2. Proses Pendidikan/Studi adalah proses yang panjang dan banyak tantangan yang akan dihadapi akan tetapi buah hasil dari Pendidikan tersebut adalah bekal yang sangat berharga untuk Masa Depan yang lebih baik.



**TERIMA KASIH**

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