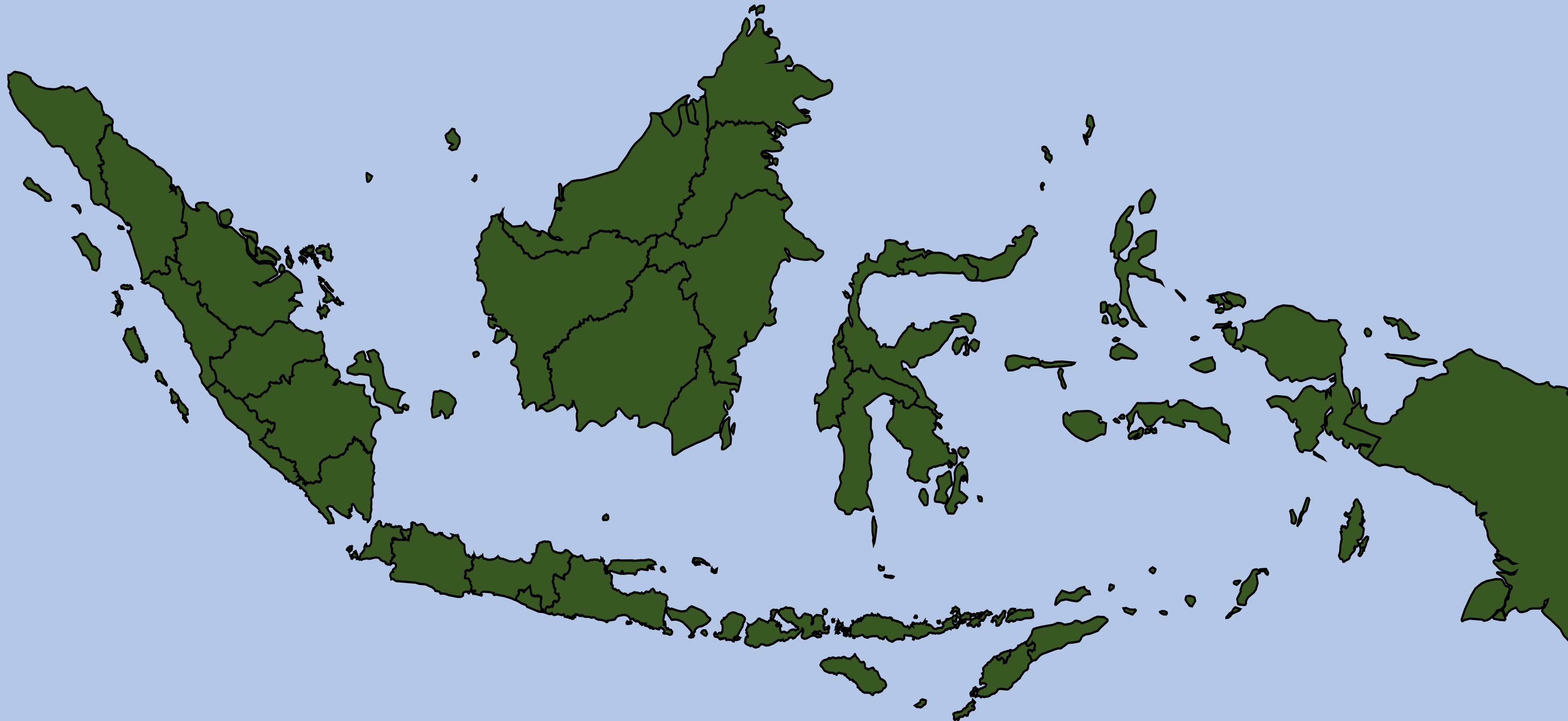


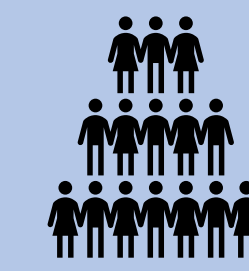
THE CURRENT STATUS OF MEDICAL PHYSICS AND ITS EDUCATIONAL COURSES IN INDONESIA

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INDONESIA COUNTRY PROFILE



279,739,581 million people (4th most populated country in the world)



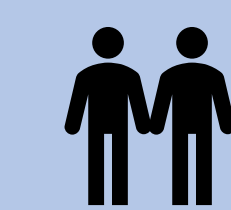
151 people per km² (391 people per mi²)



1,811,570 km² (699,451 mi²) of land area



2,773 hospitals (private and public hospitals)



Less than 2 medical physicists per 1 million people



6 universities offer master's degree program in Medical Physics

HOW IS THE MEDICAL PHYSICS STATUS IN INDONESIA?

1960

- Medical physics service has been present since the Cobalt-60 machine was used for radiotherapy

1988

- IKAFMI (Indonesian Medical Physicists Association) was established
- Affiliated to the Ministry of Health

1990

- HFMBI (Indonesian Medical Physicists and Biophysicists Association) was established
- Affiliated to the International Organization for Medical Physics (IOMP)

2015

- Many issues could not be solved with two separate organizations
- IKAFMI and HFMBI merged into AFISMI (Indonesian Association of Physicists in Medicine)

2022

- AFISMI has around 600 members
- Indonesia still need around 1600 medical physicists



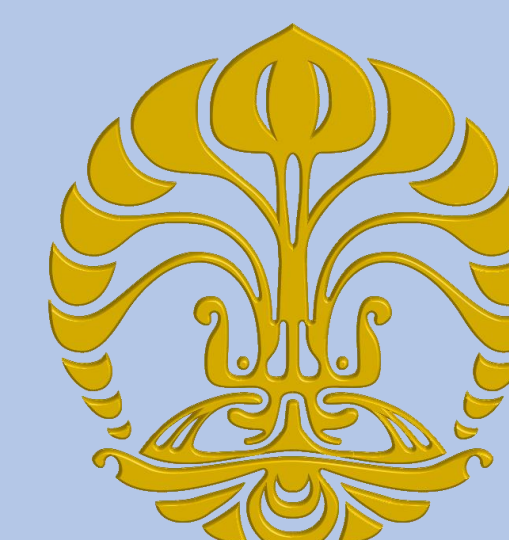
Medical physics services are regulated by the Minister of Health Regulations No. 83/2015 and the Professional Standards of Medical Physicists (Kepmenkes No. HK.01.07/MENKES/322/2020)

MEDICAL PHYSICS EDUCATION

The Indonesian Alliance of Universities with Medical Physics Program (AIPFMI) is the alliance that aims to improve the quality and standard of Indonesian medical physics education and training to be in line with international standards.



The founding members of AIPFMI are:



UNIVERSITAS
INDONESIA



HOW TO BECOME A MEDICAL PHYSICIST IN INDONESIA?



This flowchart is following the recommendation of International Atomic Energy Agency (IAEA) - Human Health Series No. 25/2013



Scan or browse
<https://github.com/gvna/ictp-poster>
for poster resources, and references

- All the founding members and one young member (Gadjah Mada University) offer master's degree program in Medical Physics.
- University of Indonesia, Bandung Institute of Technology, and Brawijaya University offer PhD program in Medical Physics.
- Diponegoro University has Medical Physicist Profession program and University of Indonesia has Specialist Medical Physicist program.
- AIPFMI is the administrator of the Indonesian Board of Medical Physics for medical physicist certification.
- AIPFMI and AFISMI collaborate to reduce the shortage of medical physicists in Indonesia by the medical physics education programs.