

2025

The 8th AAMLS & The 16th APFMLS

2025 8th Congress of Asia Association of Medical Laboratory Scientists
in conjunction with 16th Asia-Pacific Forum of Medical Laboratory Sciences

Precision, Innovation, and Legacy in Laboratory Medicine

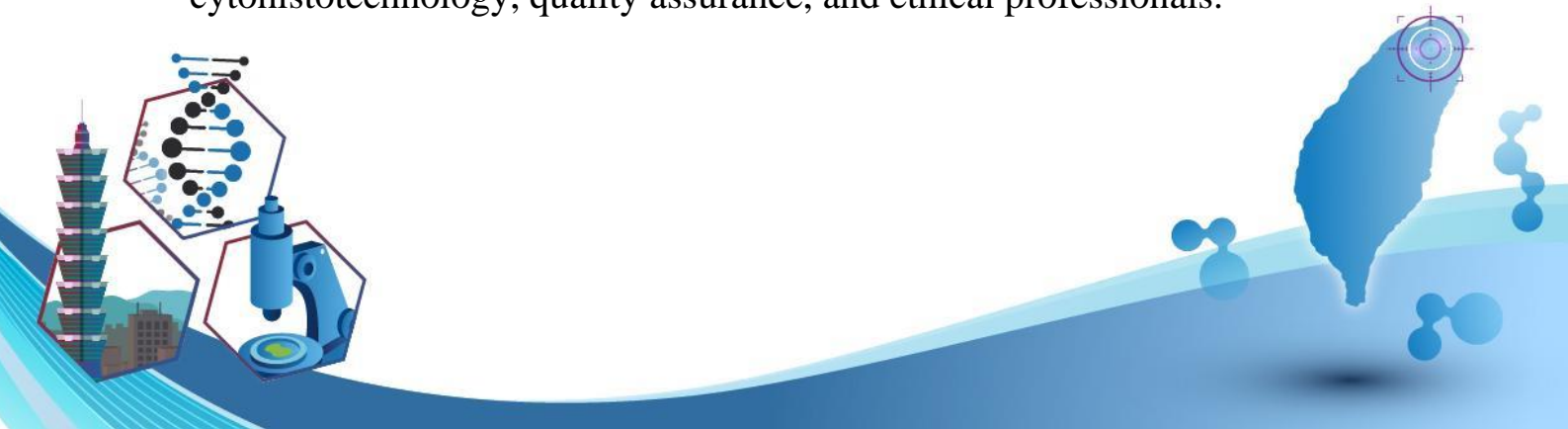


Indonesian medical laboratory technologist proficiency and professional growth in the age of health transformation

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About 270.2 million people live on Indonesia's \pm 17,000 islands. There are 14,564 private clinics, 2,697 main clinics, 2,617 hospitals, 352 maternity homes, 8,905 polyclinics, and 10,580 health laboratories among Indonesia's health institutions. With 114 universities offering medical laboratory technology study programs, there will be 89,000 medical laboratory technologists (MLT) in 2023. Medical laboratory technicians (diploma III) and medical laboratory technologists (diploma IV) make up the Indonesian MLT profile. As part of the exit test requirements, each MLT graduate must pass a competency exam and receive a registration letter from the Ministry of Health that corresponds to their level in the Indonesian national qualification framework. The MLT can apply for a license to practice in the medical facility where they are employed after receiving the registration letter. Although there are presently 48,000 public workers serving as MLTs, Indonesia still need up to 152,000 MLTs, hence a significant number of MLT individuals are still required. Hospitals, community health centers, primary care, public health labs, and the medical device industry are just a few of the places where MLTs can find employment. The Blue Print of MLT abilities includes phlebotomy and specimen handling, haematology, clinical chemistry, immunoserology, immunohematology, molecular biology, cytohistotechnology, quality assurance, and ethical professionals.



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The MLT career occupation map includes civil servant career paths in accordance with professional standards, beginning with the D3 level as a primary expert and ending with the D4 level as an intermediate expert. There are two parts to the MLT certification program: technician and the advanced MLT. The PATELKI certification body offers a cluster plan that includes basic phlebotomy, tuberculosis microscopy, and malaria microscopy. Ultimately, Indonesian MLTs continue to advance to profession, master's and doctoral degrees, according to the scientific knowledge and complexity of work in health laboratories such as nanotechnology and genomics-based health services.

