



Integrated Genome Factory (IGF)

The Integrated Genome Factory (IGF), housed within the Faculty of Biology at Universitas Gadjah Mada, is a specialized research facility equipped with state-of-the-art platforms for Next-Generation Sequencing (NGS) of DNA and RNA. Established to advance the frontiers of genomics research, IGF also serves as a professional service provider, offering reliable, accessible, and high-quality sequencing solutions that support a wide spectrum of studies in molecular biology, biotechnology, health sciences, agriculture, and biodiversity.



Main Research Equipment



Sequencer

Long read and short read sequencing technology



MinION Mk1b



PromethION 24

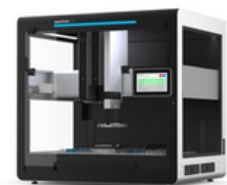


PromethION
2 Solo



Installed:
Pacbio: Revio, Onso

Lab supporting equipment



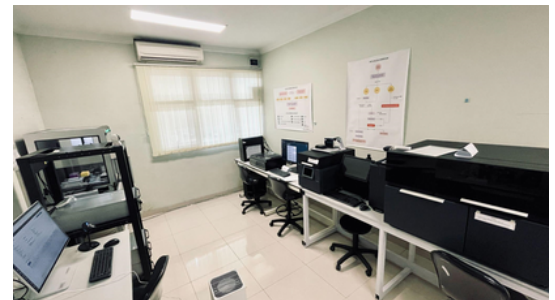
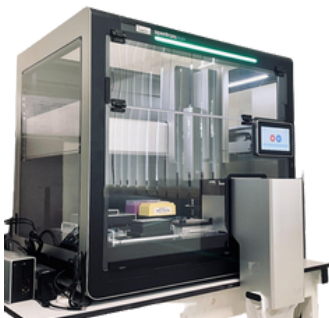
Opentrons Flex
(Automated Liquid Handler)

<https://opentrons.com/>



High-Performance Computing &
Storage Server

Credit:
<https://nanoporetech.com/>
<https://www.pacb.com/>



Analysis Services

- Whole Genome Sequencing
- Targeted Sequencing
- Custom Sequencing Service



Workshop Services

- IGF Master Class
- IGF Primer



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