

4 BIOLOGY AND REPRODUCTION LABORATORY

Biology and Reproduction Laboratory provides analyses in several primate aspects, such as genetic monitoring, developmental biology, sperms and oocytes collection for prospective assisted reproductive technology, hormone analyses with regard to sexual and stress-related studies including behavioral monitoring. This laboratory also performs genetic variation study of Indonesian primate species through protein and molecular analysis approaches.



5 QUARANTINE AND BREEDING UNIT

The Quarantine and Breeding Unit is physically located in Darmaga campus. Since 2004, PRC-IPB Quarantine facility has been acknowledged as Permanent Quarantine for Pre-embarkation of Non-human Primate by The Ministry of Agriculture of Republic of Indonesia. Current breeding colony maintained within Darmaga campus are tuberculosis-free *Macaca nemestrina* (pig-tailed macaque) and *M. fascicularis* (long-tailed macaque); some are screened for specific microbial agents and for certain viruses as specific pathogen free (SPF) colony.

6 CONSERVATION UNIT

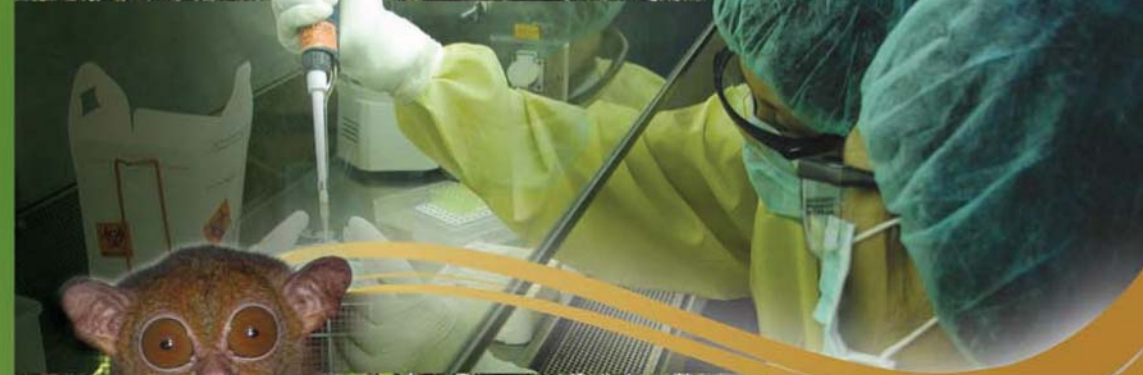
Conservation unit has two main activities, Natural Habitat Breeding Facility for SPF long tailed macaques (*Macaca fascicularis*) on Tinjil Island, Banten and ex-situ captive breeding for javan gibbon (*Hylobates moloch*), tarsier (*Tarsius spectrum* and *T. bancanus*), and slow loris (*Nycticebus coucang*) at Lodaya breeding facility in Bogor. Activities on Tinjil island include research and training students and scientist from Indonesia and abroad. A routine annual field course in Primate Conservation Biology has been conducted in collaboration with the International Programs Division of the Washington National Primate Research Center, USA since 1991. Started in 2004, an outreach education program for the elementary school around IPB transit base camp at Muara Binuangen in mainland of Java has been incorporated in the program.



PRIMATE RESEARCH CENTER

Bogor Agricultural University

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Primate Research Center at Bogor Agricultural University was officially established in 1990 through the issuance of University Rector decree No. 080/C/1990. The Center was established as a response to the need for an institution which functions as a center of excellence in scientific knowledge, technology, and management of nonhuman primates at both national and international levels.



The objectives of the center are:

- To develop biomedical science and technology through education, research, training programs, seminars, and publications with respect to primatology interest.
- To provide advice and assistance in establishing decisions, strategies, and policies in the area of conservation and use of Indonesian primate species in biological and biomedical research.
- To develop and implement collaborations with various institutions in Indonesia and overseas to provide transfer of knowledge and technology, exchange of information and expertise, and research and education in primatology.
- To establish captive and natural habitat breeding facilities for Indonesian primate species with respect to their conservation and use in biological and biomedical research.

PRC-IPB maintains an Animal Welfare Assurance (#A5287-01) with the Office of Laboratory Animal Welfare, Public Health Service, National Institutes of Health, United States Department of Health and Human Services since 1995. This statement of compliances has been updated every five years period with the current assurance is good until 2015. All activities in the center involving the use of animal is overseen by Animal Care and Use Committee of PRC-IPB (Komisi Pengawas Kesejahteraan dan Penggunaan Hewan Penelitian). In 2006, the Research Animal Facility of PRC-IPB at Lodaya campus received full accreditation from the Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC) International.



6 major units or laboratories to support the programs, consisting:

1 RESEARCH ANIMAL RESOURCES LABORATORY

Research Animal Resources Laboratory supports all animal care and use program for scientific activities (research, training/teaching) involving animal in PRC-IPB. It also occasionally supports animal care and breeding for conservation program, i.e. Javan Gibbon (*Hylobates Moloch*). This unit's activities are conducted at Research Animal Facility at Lodaya campus, an accredited facility by AAALAC - International (2006).

2 MICROBIOLOGY AND IMMUNOLOGY LABORATORY

Microbiology and Immunology Laboratory primarily supports the development and maintenance of the center's SPF breeding colony while also performing services for other primate facilities. In house test for SRV, STLV, and SIV, and herpesvirus antibodies are routinely performed in the laboratory. This laboratory is actively involved in research activities of the center, with assay capability to include virus isolation, identification and characterization; major immunoassays for antibody or antigen detection; viral RNA/DNA detection; and determination and measurement of immune responses to viral or other proteins.



3 PATHOLOGY LABORATORY

Pathology Laboratory offers a complete range of laboratory testing services in anatomic pathology, clinical pathology while also conducting activities in degenerative disease studies, such as diabetes and atherosclerosis-related research. Anatomic and surgical pathology services consists of necropsy, cytopathology, dermatopathology; while clinical pathology examination includes; hematology, clinical chemistry, electrolytes, CBC's, urinalysis and fecal parasites.

