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Birth 1963

Academic Education

2007 PhD-Thesis, Faculty of Veterinary Medicine, IPB/German Primate Center
1995 Magister of Science in Animal Physiology, Georg-August University Göttingen, Germany
1982 - 1988 Study of Veterinary Medicine at IPB

Diploma

2015 Dipl. ACCM, Diploma Asian College of Conservation Medicine. Asian Society of Conservation Medicine

Employment

Since 2020 Coordinator, Extramural Program of Veterinary Education Program
2008-2013 Head, Division of International Program, IPB
2004-2013 Indonesian Coordinator, Siberut Conservation Program, collaboration between IPB and the German Primate Center (DPZ)
2003-2006 Deputy Director, Office of International Program, IPB
2002-2003 Secretary of the Department of Reproduction and Obstetrics, Faculty of Veterinary Medicine, IPB
2000-2004 Lecturer in Zoology and Tropical Ecology, University Würzburg
1997 – 2003 Researcher, Center for Life Science Studies, IPB
Since 1995 Lecturer, Department of Clinic, Reproduction and Pathology, Faculty of Veterinary Medicine, IPB

Awards and honours

Since 2005 Member, Asian Rhino Specialist Group, Species Survival Commission, IUCN

Scientific and Professional activities

2004-2010 Technical Committee, Global Management and Propagation Board of the Sumatran Rhino Conservation Program
2006-2010 Chairman, Association of Indonesian Wildlife, Aquatic and Exotic Veterinarian
2018 Expert to MLA, Intensive Breeding Assistance for feedlots in Indonesia
Since 2019 until now Member, Sumatran Rhino Husbandry and Propagation Expert Advisory Board-SSC IUCN

The most important papers (all published with scientific quality assurance)

Berlin P. Pardede, Iman Supriatna, Yudi Yudi, **Muhammad Agil**. 2020. Decreased bull fertility: age-related changes in sperm motility and DNA fragmentation. E3S Web of Conferences 151, 01010

Vincentia T. Yoelinda, Raden I. Arifiantini, **Muhammad Agil**, Dedi R. Setiadi, Yohana T. Hastuti, Jansen Manansang, Dondin Sajuthi. 2020. The use of transrectal massage combined with artificial vagina as semen collection in javan banteng (*Bos javanicus*) bull. E3S Web of Conferences 151, 01005

Berlin Pandapotan Pardede, **Muhammad Agil**, Iman Supriatna. 2020. Protamine and other proteins in sperm and seminal plasma as molecular markers of bull fertility. Veterinary World, EISSN: 2231-0916

Gholib Gholib, Sri Wahyuni, Muslim Akmal, Muhammad Hasan, **Muhammad Agil**, Bambang Purwantara. 2020. The validation of a commercial enzyme-linked immunosorbent assay and the effect of freeze-thaw cycles of serum on the stability of cortisol and testosterone concentrations in Aceh cattle. F1000 Research 8:1220

Nanik Hidayatik, **Muhammad Agil**, Michael Heistermann, Entang Iskandar, Tuty L. Yusuf, Dondin Sajuthi. 2018. Assessing female reproductive status of spectral tarsier (*Tarsius tarsier*) using fecal steroid hormone metabolite analysis. American Journal of Primatology 80(4)

Gholib G. Hesitermann **M. Agil** M. Supriatna I. Purwantara B. Nugraha TP Engelhard A. 2018. Comparison of fecal preservation and extraction methods for steroid hormone metabolite analysis in wild crested macaques. Primates 59 (3)

J Duboscq, C Neumann, **M Agil**, D Perwitasari-Farajallah, B Thierry, A. Engelhardt. 2017. Degrees of freedom in social bonds of crested macaque females. Animal Behaviour 123, 411-426

JF Brodie, O Helmy, M Pangau-Adam, G Ugiek, G Froese, A Granados, J Mohd-Azlan, H Bernard, AJ Giordano, **M Agil**, AH Mustari. 2017. Crossing the (Wallace) line: local abundance and distribution of mammals across biogeographic barriers. BIOTROPICA 50(1): 1-9

James P. Higham, Michael Heistermann, Carina Saggau, **Muhammad Agil**, Dyah Perwitasari-Farajallah, Antje Engelhardt. 2012. Sexual signalling in female crested macaques and the evolution of primate fertility signals. BMC Evolutionary Biology. Vol. 12 (1)

Agil M, Purwantara B, Candra D (2008). Assessment of fertility status in the male Sumatran rhino at the Sumatran Rhino Sanctuary (SRS) Way Kambas National Park, Lampung. HAYATI Journal of Biosciences 15:39-48

Heistermann M, **Agil M**, Buthe A, Hodges JK (1998). Metabolism and excretion of oestradiol-17 β and progesterone in the Sumatran rhinoceros (*Dicerorhinus sumatrensis*). Animal Reproduction Science 53:157-172