

Module Handbook

Modul Name	Practical of Physiology and Technology of Reproduction
Modul Level	6 (Bachelor)
Abbreviation, if applicable	BIR 102
Sub-heading, if applicable	-
Courses included in the module, if applicable	-
Semester/term	4/2
Module coordinator(s)	Dr. Tri Wahyu Suprayogi, drh.,M.Si
Lecturer(s)	<ol style="list-style-type: none"> 1. Prof. Dr. Suherni Susilowati, drh., M.Kes 2. Dr. Tatik Hernawati, drh., M.Si. 3. Dr. Trilas Sardjito, drh., M.Si. 4. Prof. Dr. Sri Panca Madyawati, drh., M.Si. 5. Prof. Dr. Ismudiono, drh., M.S. 6. Prof. Dr. Pudji Srianto, drh., M.S.Kes. 7. Dr. Abdul Samik, drh., M.Si. 8. Dr. Erma Safitri, drh., M.Si.
Language	Bahasa Indonesia and English
Classification within the curriculum	Compulsory/ elective course
Teaching format/class hours per week during the semester	1 class hour practical (1 x 170 minutes practical) x 14 weeks
Workload per semester	170 minutes practical is spent on laboratory/field work.
Credit points	1 (~1.51 ECTS)
Requirements	Veterinary anatomy; Veterinary physiology
Learning goals/competencies	Students are able to practice semen collections, test the quality of spermatozoa, various methods of processing semen (cold or frozen processes), get to know all the equipment and techniques of artificial insemination in livestock.
Content	Semen collection techniques and how to check the characteristics and physical characteristics of cattle semen, how to process semen, how to make frozen semen, practice artificial insemination techniques in livestock. At the beginning of each practical a pretest was conducted. In the middle and the end of the practicum activity, the mastery of the material is evaluated by a practical examination in writing.
Softskills attribute	Ethics, oral and written communication, cooperation, self-

	confidence
Study/exam achievements	Final exams (33.3%), midterm exam (22.2%), assignment (16.7%) and quizzes 16.7%, soft skill (11.1%).
Forms of media	Computer, computer projector, white board, AULA (Airlangga University e-Learning Application)
Literatures	<ol style="list-style-type: none"> 1. Hafez, E.S.E., 2000. Reproduction in Farm Animals, 7th Edition. Lea and Febiger Philadelphia 2. Ismudiono, P. Srianto, H. Anwar, S.P. Madyawati, A.Samikdan E. Safitri, 2010. Buku Ajar Fisiologi Reproduksi pada Ternak, Airlangga University Press, Surabaya 3. Hardijanto, S. Susilowati, T. Hernawati, T. Sardjitodan T.W. Suprayogi. 2010. Buku Ajar Inseminasi Buatan. Airlangga University Press, Surabaya. 4. Partodihardjo, 1992. Ilmu Reproduksi Hewan. Penerbit Mutiara, Jakarta. 5. Hariadi, M., Hardjoprano, Wurlina, H.A.Hermadi, Rimayanti, B.Utomo, I.N.Triana, dan H.Ratnani, 2013. Buku Ajar Ilmu Kemajiran Pada Ternak. Airlangga University Press, Surabaya.
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