

## Module Handbook

Modul Name	Bacteriology and Mycology
Modul Level	1 (Bachelor)
Abbreviation, if applicable	BIM 105
Sub-heading, if applicable	
Courses included in the module, if applicable	
Semester/term	3/2
Module coordinator(s)	Suryanie Sarudji, drh., M.Kes.
Lecturer(s)	<ol style="list-style-type: none"> <li>1. Suryanie Sarudji, drh., M.Kes.</li> <li>2. Dr. Wiwiek Tyasningsih, drh., M.Kes.</li> <li>3. Sri Chusniati, drh., M.Kes.</li> <li>4. Yuliana Puspitasari, drh., MV. Sc</li> </ol>
Language	Bahasa Indonesia and English
Classification within the curriculum	Compulsory/ <del>elective</del> course
Teaching format/class hours per week during the semester	<p>2 class hour lecture (2 x 170 minutes lecture) x 14 weeks</p> <p>1 class hour lecture (170 minutes lecture) x 14 weeks</p>
Workload per semester	340 minutes lecture is divided into 100 minutes face to face interaction, 100 minutes assignment, 140 minutes independent study. 170 minutes practical is spent on conducting activities in laboratory/ field
Credit points	3 (lecture 2, Practical 1) (~4.53 ECTS)
Requirements	Lecture & Practical of Veterinary Biochemistry (BIK101 & BIK 102)
Learning goals/competencies	Students are able to explain the characteristics of bacteria and fungi (in general and specifically) and ways control, and its relationship with the host
Content	This material learns about introductory microbiology, the basics of bacteria & fungi, bacteria in the form of Gram positive (Gram positive rod-shaped bacteria with aerobic and anaerobic spores, bacterial Gram-positive rods without spores), bacteria with special staining, Gram-negative rod-shaped bacteria (Enterobacteriaceae) , bacteria in the form of Gram negative rod (non Enterobacteriaceae), the basics of fungi and fungi that are pathogenic
Softskills attribute	Ethics, oral and written communication, cooperation, trust self, work ethic
Study/exam achievements	Final exam (27,3%), Mid Term Exam (18.2%), Assigment (13,6%), Quizzes (13,6%), Softskill (9,1%), Practical report (18.2%)
Forms of media	Computer projector, white board, AULA (Airlangga University e-Learning Application)
Literatures	1. Buku Ajar Mikrobiologi Veteriner I. Airlangga University Press, Surabaya

	<ol style="list-style-type: none"> <li>2. Alcamo, I.E. 1994. Fundamentals of Microbiology. 4<sup>th</sup> ed. The Benjamin/Cummings Publishing Company, Inc. Redwood City, CA 94065</li> <li>3. Merchant, I.A. and R.A. Packer. 1971. Veterinary Bacteriology and Virology. 7<sup>th</sup>ed. The Iowa University Press. Ames. Iowa USA.</li> <li>4. Pelczar, M.J., Reid and E.C.S. Chan (Penerjemah: Hadioetomo R.S. dkk).1986.</li> <li>5. Dasar – dasar Mikrobiologi I. Mc Graw Hill Book Company.</li> <li>6. Prescott, L.M., Harley, J.P., Klien, D.A.2003. Microbiology. Mc Graw Hill BookCompany.</li> <li>7. Quinn, P.J., Markey, B.K., Carter, M.E., Donnelly, W.J., Leonard, F.C. 2002. Veterinary Microbiology and Microbial Disease. Blackwell Science.</li> <li>8. Soltys, M.A. 1979. Introduction to Veterinary Microbiology.</li> </ol>
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