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|  | **UNIVERSITAS NEGERI YOGYAKARTA**FACULTY OF MATHEMATICS AND SCIENCEDEPARTMENT OF BIOLOGY EDUCATIONColombo 1 Street Yogyakarta 55281Phone: (0274)565411 Ext. 217, (0274)565411 (Administration Office), fax (0274)548203Website: fmipa.uny.ac.id, E-mail: humas\_fmipa@uny.ac.id |

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| **Bachelor of Science in Biology**  | **MODULE HANDBOOK** |
| Module name: | Laboratory Work in Parasitology |
| Module level, if applicable: | Undergraduate |
| Code: | BIM6163 |
| Sub-heading,if applicable: | - |
| Classes,if applicable: | - |
| Semester: | Gasal |
| Module coordinator: | dr. Tutiek Rahayu |
| Lecturer(s): | dr. Tutiek Rahayu |
| Language: | Bahasa Indonesia |
| Classification within the curriculum: | Compulsory Course |
| Teaching format / class hours per week during the semester: | 50 minutes lectures and 60 minutes structured activities per week. |
| Work load: | Total workload is 91 hours per semester which consists of 50 minutes lectures, 60 minutes structured activities, and 60 minutes individual study per weekfor 16 weeks. |
| Credit points: | 1 SKS (3 ECTS) |
| Prerequisites course(s): | - |
| Targeted learning outcomes: | Setelah mengikuti matakuliah mahasiswa diharapkan mampu:

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| CO1. | Menjelaskan tentang persoalan-persoalan yang disebabkan parasit, seperti persoalan-persoalan yang disebabkan nyamuk dan penanganannya. |
| CO2. | Menjelaskan teknik dasar laboratorium biokomia, dan dapat menerapkan metode ilmiah untuk proses eksperimen dan pengujian hipotesis. |
| CO3. | Menerapkan dan mengkomunikasikan penalaran ilmiah dan analisis data secara efektif baik secara tertulis maupun lisan. |
| CO4. | Memahami dan mempraktekkan etika seputar penelitian ilmiah. |

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| Content: | Mata kuliah ini membahas tentang persoalan-persoalan yang disebabkan oleh parasit serta mengembangkan ketrampilan prinsip *problem solving* pada persoalan-persoalan keamanan pangan di masyarakat dengan metode *group project.* |
| Study/examachievements: | The final mark will be weight as follow:

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| **No** | **CO** | **Assessment** **Object** | **Assessment Technique** | **Weight** |
| 1 | CO1 to CO4 | Observed attitudes, knolwedge, and skills  | Survey, test, rubrics and manuals  | 100% |
|  |  |  | Total | 100% |

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| Forms of media: | Real objects, model, multimedia |
| Reference: | Spencer and Monroe. 1961. *The Color Atlas of Intestinal Parasites. Spriengfield.* III. Charles C. Thomas Publisher.Strong. 1994. *Stitt’s Diagnosis Prevention and Treatment of Tropical Disease*. 7th ed. 2 vols. Philadelphia. The Blakiston Company.Trowell, and Jelliffe. 1958. Diseases of Children in the Subtropics and Tropics. London: Edward Arnold, Ltd.  |

**PLO and CO mapping**

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|  | **PLO1** | **PLO2** | **PLO3** | **PLO4** | **PLO5** | **PLO6** | **PLO7** | **PLO8** | **PLO9** | **PLO10** | **PLO11** |
| **CO1** |  |  |  | ✓ |  | ✓ |  |  |  |  |  |
| **CO2** |  |  |  |  | ✓ |  | ✓ |  | ✓ |  |  |
| **CO3** |  |  |  |  |  |  |  |  |  | ✓ | ✓ |
| **CO4** |  |  |  |  |  | ✓ |  |  |  |  |  |