THE MODULE HANDBOOK
DOCTOR BIOLOGY STUDY PROGRAM
FACULTY OF BIOLOGY

PUBLICATION I

Course code	BIDB203304
Course level	Doctoral Program (By Research)
Semester/ term	Odd/even
Course coordinator	Study Program Head
Lecture(s)	Doctoral candidate's Promoter Doctoral candidate's co-Promoter
Language	Indonesian/English
Classification within the Curriculum	Compulsory (Based on Claim)
Teaching format/ class hours per week during the semester	-
Workload	90 hours
Credits	2-0 credits / 3.6 ECTS
Requirements	Dissertation-research
Program Learning Outcome	CPL 1.1. contribute to improving the quality of life in society, nation and state, and the progress of civilization based on Pancasila CPL 1.2.Upon completing this program, the graduates demonstrate an attitude of being able to demonstrate honesty, responsibility, self-confidence, emotional maturity, ethics, and awareness of being a lifelong learner CPL 3.2. contribute to the development and practice of the field of biology through scientific research based on scientific principles and ethics through interdisciplinary, multidisciplinary, or transdisciplinary approaches in solving problems in the field of biology CPL 3.4. communicate research results through reputable media and scientific publications to the academic community and/or directly to the wider community CPL 3.5. After completing this program, the graduates will be able to demonstrate academic leadership and increase independent learning capacity; CPL 4.1. deepen and expand knowledge in the field of biology to produce models or methods or develop theories that are original, tested and innovative through research with an interdisciplinary, multidisciplinary or transdisciplinary approach

	CPL 4.2. propose new solutions or recommend proposed solutions to solve biological resource problems in a sustainable manner through an interdisciplinary or multidisciplinary approach to fund deduction or induction CPL 4.3. After participating in this program, graduates will be able to apply the philosophy of biological systems in developing biological concepts in the areas of food, health, bioenergy, biomaterial and/or the environment.
Course Learning Outcome	BIDB203304.1 By the end of this course, students will be able to demonstrate an understanding of the fundamental principles of effective scientific writing appropriate for reputable international journals. BIDB203304.2 By the end of this course, students will be able to Develop high-quality scientific manuscripts based on research findings that meet the standards for submission to reputable international journals. BIDB203304.3 By the end of this course, students will be able to formulate and implement writing and publication strategies in alignment with the standards and expectations of the international scientific community BIDB203304.4 By the end of this course, students will be able to communicate effectively with editors and reviewers from diverse cultural and academic backgrounds.
Course Description	This course is designed to prepare doctoral students for writing and publishing scholarly articles in reputable international journals. It covers key aspects of scientific writing strategies, appropriate journal selection, the submission and peer-review process, publication ethics, and the management of copyright and licensing. Students will be trained to develop effective writing skills and to respond to reviewers' feedback with the goal of increasing the likelihood of manuscript acceptance for publication.
Assessments	PUBLICATION CRITERIA FOR DOCTORAL PROGRAM Doctoral students are required to publish part or all of their dissertation manuscripts in recognized scientific journals. This publication is a graduation requirement and will be assessed based on the quality and reputation of the journal where the publication is made. Below are the detailed assessment criteria for publications: 1. International Publications with High Impact Factor: • Criteria: The dissertation manuscript is published in an international journal with a high impact factor (IF ≥ 5) and ranked in the first quartile (Q1) based on Scopus or Clarivate Analytics (Journal Citation Reports). • Assessment: Receives the highest rating.

- Excellence: Publication in these journals indicates that the research has significant impact and is widely recognized by the international scientific community. It reflects high research quality and significant contributions to scientific advancement.
- Journal Examples: Nature, Science, Cell, The Lancet.

2. International Publications with Medium Impact Factor:
- Criteria: The dissertation manuscript is published in an international journal with a moderate impact factor ($3 \leq IF < 5$) that is ranked in the second quartile (Q2) or third quartile (Q3) based on Scopus or Clarivate Analytics.
- Assessment: Receives a high rating.
- Excellence: Indicates that the research is relevant and recognized by the international scientific community. This publication is still considered high quality and provides significant contributions to specific fields of study.
- Journal Examples: PLOS ONE, Journal of Biological Chemistry, BMC Biology.

3. International Publications with Low Impact Factor or Journals Without IF Ranking:
- Criteria: The dissertation manuscript is published in an international journal that does not have an impact factor or is ranked in the fourth quartile (Q4) based on Scopus or Clarivate Analytics.
- Assessment: Receives a medium rating.
- Excellence: Indicates that the research has reached the international scientific community, although it may not hav a significant impact. These journals still have rigorous peer review standards.
- Journal Examples: Niche or regional international journals.

4. Publications in Accredited National Journals:
- Criteria: The dissertation manuscript is published in a nationally accredited journal recognized by the Directorate General of Higher Education or other journals recognized as high quality by experts in the Biology Study Program.
- Assessment: Receives a medium to low rating.
- Excellence: Indicates the relevance of research in the national context and is recognized by the national scientific community. This publication still demonstrates an important contribution to national scientific knowledge, even if its international impact is limited.
- Journal Examples: Indonesian Journal of Biology, Journal of Science and Technology.

	5. Publications in Unaccredited or Unranked National Journals: • Criteria: The dissertation manuscript is published in a national journal that does not have official accreditation or is not recognized by the scientific community or the Directorate General of Higher Education. • Assessment: Receives the lowest rating. • Excellence: Publication in these journals shows an effort to disseminate research findings, although it does not have significant recognition from the scientific community. It is still considered an academic contribution but with limited impact. • Journal Examples: Institutional or local journals without official accreditation. Evaluation Process and Graduation Honors Determination: At the latest, one month before the graduation date, a Judicium Meeting is held, attended by the Supervisory Team, Doctoral Program Coordinator, and Graduate Program Management. In this meeting, the quality of publications will be evaluated based on the above criteria to determine the graduation honors of the doctoral student: 1. **A**: Publication in high-impact international journals (IF ≥ 5) or multiple publications in international journals with medium impact factor (3 ≤ IF < 5). Publication in international journals with medium impact factor (3 ≤ IF < 5) or consistently in Q3/Q4 journals. 2. **A-**: Publication in highly accredited national journals or a combination of publications in national and international journals with low impact factor. 3. **B**: Publication in low accredited national journals or a combination of publications in national and international journals with very low impact factor. With these criteria, it is expected that doctoral program students will be motivated to produce high-quality research that can make significant contributions to both international and national scientific communities.
Study Media and Literature	1. Day, R.A., & Gastel, B. (2016). How to Write and Publish a Scientific Paper. Cambridge University Press. 2. Cargill, M., & O'Connor, P. (2013). Writing Scientific Research Articles: Strategy and Steps. Wiley-Blackwell. 3. Committee on Publication Ethics (COPE). Guidelines on Good Publication Practice.

THE MODULE HANDBOOK

DOCTOR BIOLOGY STUDY PROGRAM
FACULTY OF BIOLOGY