

Course Code	TKU100											
Course Name	Scientific Writing and Reporting											
Course Instructors	Sunu Wibirama; Dani Adhipta; Adhistya Erna Permanasari; T. Haryono											
Course Type	Required											
Course Classification	General Education											
Credit / Contact Hour per Week	2 / 100 minutes per Week											
Course Description	This course contains basic theories that are useful for proper scientific paper writing and works, including techniques for conducting a research. Learning focuses on discussion and practice of paper writing using good and correct English. Students are expected to do the writing of scientific papers and work well and correctly, and able to conduct research in a proper way.											
Prerequisites Courses	-											
Covered Student Outcome	Effective Communication (g) Multidisciplinary Teamwork (h) Professional and Ethical Responsibility (i) Sustainable Learning (k)											
Learning Outcome												
		Study Program Student Outcome										
No	Learning Outcome	SO a - SO k										
1.	Students are able to paraphrase from papers and published literatures.	Effective Communication (g)										
2.	Students are able to analyze scientific figures, tables, graphs, etc produced by research outcomes.	Effective Communication (g)										
3.	Students are able to apply effective writing techniques in a paragraph formation.	Effective Communication (g)										
4.	Students are able to understand research ethics and avoid plagiarism.	Professional and Ethical Responsibility (i)										
5.	Students are able to make notes based on articles and, within a group, prepare a literature review report.	Sustainable Learning (k)										
6.	Students, in a group, are able to prepare and presence result of literature study.	Multidisciplinary Teamwork (h)										
Topic	1. Introduction 2. Effective Writing 3. Active, Passive, and Grammar 4. Punctuation 5. Table, Figure, and Graph 6. Mathematical equation and algorithm 7. Plagiarism 8. Research Ethics 9. Research Planning 10. Note Taking 11. Literature Review 12. Presenting Research											
Direct Assessment	<table border="1"> <thead> <tr> <th>Direct Assessment Plan</th> <th>Measured Learning Outcome</th> </tr> </thead> <tbody> <tr> <td>Mid Exam</td> <td>LO1, LO2</td> </tr> <tr> <td>Final Exam</td> <td>LO3, LO4</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>		Direct Assessment Plan	Measured Learning Outcome	Mid Exam	LO1, LO2	Final Exam	LO3, LO4				
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Mid Exam	LO1, LO2											
Final Exam	LO3, LO4											
Indirect Assesment	Questionnaire and direct communication											
References	[1] S. Bailey, Academic Writing: A Handbook for international Students, 2011.											

	<p>[2] J. Zobel, <i>Writing for Computer Science</i>, 2004.</p>
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	<p>[3] K.G. Budinski, <i>Engineer's Guide To Technical Writing</i>, 2001.</p>
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	<p>[4] M. Alley, <i>The Craft of Scientific Writing</i>, 1996.</p>
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