

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 Responsibilities (i) Sustainable Learning (k)								
Learning Outcome	<ol style="list-style-type: none"> 1. Students are able to paraphrase from papers and published literatures 2. Students are able to analyze scientific figures, tables, graphs, etc produced by research outcomes. 3. Students are able to apply effective writing techniques in a paragraph formation. 4. Students are able to understand research ethics and avoid plagiarism. 5. Students are able to prepare a pre eliminary and literature reference. 6. Students, in a group, are able to prepare and presence result of literature study. 								
Topic	<ol style="list-style-type: none"> 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>Class Project</td> <td>LO1-LO5,LO6</td> </tr> </tbody> </table>	Direct Assessment Plan	Measured Learning Outcome	Mid Exam	LO1, LO2	Final Exam	LO3, LO4	Class Project	LO1-LO5,LO6
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Mid Exam	LO1, LO2								
Final Exam	LO3, LO4								
Class Project	LO1-LO5,LO6								
Indirect Assesment	Questionnaire and direct communication								
References	<ol style="list-style-type: none"> [1] S. Bailey, Academic Writing: A Handbook for international Students, 2011. [2] J. Zobel, Writing for Computer Science, 2004. [3] K.G. Budinski, Engineer's Guide To Technical Writing, 2001. [4] M. Alley, The Craft of Scientific Writing, 1996. 								