



Universitas Negeri Surabaya
Faculty of Mathematics and Natural Sciences
Chemistry Masters Study Program

Document Code

SEMESTER LEARNING PLAN

Courses	CODE	Course Family	Credit Weight			SEMESTER	Compilation Date																																																		
Journal Article Analysis	4710203002		T=3	P=0	ECTS=6.72	1	June 20, 2022																																																		
AUTHORIZATION	SP Developer		Course Cluster Coordinator			Study Program Coordinator																																																			
	Dr. IGM Sanjaya, M.Si.		Prof. Dr. Nuniek Herdyastuti, M.Si.			Prof. Dr. Nuniek Herdyastuti, M.Si.																																																			
Learning model	Project Based Learning																																																								
Program Learning Outcomes (PLO)	PLO study program which is charged to the course																																																								
	Program Objectives (PO)																																																								
	PO - 1	Have the ability to carry out dissemination through publication of research results both orally and in writing in accredited international and national journals of good reputation and/or produce intellectual works that receive legal protection (IPR)																																																							
	PLO-PO Matrix																																																								
		<table border="1" style="margin-left: 20px;"> <tr><td style="width: 50px; height: 20px;">P.O</td></tr> <tr><td style="width: 50px; height: 20px;">PO-1</td></tr> </table>						P.O	PO-1																																																
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	PO Matrix at the end of each learning stage (Sub-PO)																																																								
	<table border="1" style="margin-left: 20px;"> <tr> <td rowspan="2" style="width: 50px; height: 20px;">P.O</td> <td colspan="16" style="text-align: center;">Week</td> </tr> <tr> <td style="width: 15px;">1</td><td style="width: 15px;">2</td><td style="width: 15px;">3</td><td style="width: 15px;">4</td><td style="width: 15px;">5</td><td style="width: 15px;">6</td><td style="width: 15px;">7</td><td style="width: 15px;">8</td><td style="width: 15px;">9</td><td style="width: 15px;">10</td><td style="width: 15px;">11</td><td style="width: 15px;">12</td><td style="width: 15px;">13</td><td style="width: 15px;">14</td><td style="width: 15px;">15</td><td style="width: 15px;">16</td> </tr> <tr> <td style="width: 50px; height: 20px;">PO-1</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>							P.O	Week																1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	PO-1																
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PO-1																																																									
Short Course Description	Journal Article Analysis as a compulsory subject in Semester I examines students' skills in obtaining reputable international peer reviewed journals, digesting them critically through the ability to analyze and evaluate based on the most up-to-date theories, creating as reviews studies that meet the writing code of ethics and are plagiarism-free, and communicating them. through presentations or scientific publications.																																																								
References	Main :																																																								
	<ol style="list-style-type: none"> 1. Volokh Eugene. 2010. ACADEMIC LEGAL WRITING: LAW REVIEW ARTICLES, STUDENT NOTES, SEMINAR PAPERS, AND GETTING ON LAW REVIEW. NEW YORK: THOMSON REUTERS/FOUNDATION PRESS 2. Cargill, Margaret and O'Connor, Patrick. 2014. Writing Scientific Research: Articles Strategy and Steps. Singapore: John Wiley & Sons Ltd 3. SALEH, NAVEED. 2014. THE COMPLETE GUIDE TO ARTICLE WRITING: HOW TO WRITE SUCCESSFUL ARTICLES FOR ONLINE AND PRINT MARKETS. Ohio: Writer's Digest Books 4. Oermann, Marlyn H. Nicoll, Leslie H. Carter-Templeton, Heather; Owens, Jacquelin K. Wringley, Jordan; Ledbetter, Leila S. Chinn, Penggy L. 2022. How to identify predatory journals in a search. Nursing: April 2022 - Volume 52 - Issue 4 - p 41-45 																																																								
	Supporters:																																																								
	<ol style="list-style-type: none"> 1. RPS Mata Kuliah Analisis Artikel Jurnal 2. Literasi digital dan aplikasi pengidentifikasi plagiarisme 3. Literasi digital tentang reputasi jurnal melalui SJR, WoS, dan lain-lain 4. Artikel Review 																																																								
Supporting lecturer	Dr. I Gusti Made Sanjaya, M.Si. Prof. Dr. Tukiran, M.Si. Prof. Dr. Nita Kusumawati, S.Si., M.Sc.																																																								
Week-	Final abilities of each learning stage (Sub-PO)	Evaluation		Help Learning, Learning methods, Student Assignments, [Estimated time]		Learning materials [References]	Assessment Weight (%)																																																		
		Indicator	Criteria & Form	Offline (offline)	Online (online)																																																				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)																																																		

1	Understand the frontier orientation of chemical development in the disruptive era and the industrial era 5.0	<p>1.Knowing the frontier of chemical development in the disruptive era and the industrial era 5.0</p> <p>2.Understand lecture orientation, implementation mechanisms, strategies and forms of assessment, obligations and tasks that must be completed (procedures and regulations)</p>	<p>Criteria:</p> <p>1.Able to explain the frontier of chemical development in the disruptive era and the industrial era 5.0</p> <p>2.Able to explain lecture orientation, implementation mechanisms, strategies and forms of assessment, obligations and tasks that must be completed (procedures and regulations)</p> <p>Form of Assessment : Participatory Activities</p>	Lectures, discussions and questions and answers. 3 X 50 minutes	<p>Material: frontier orientation of chemical development in the disruptive era and the industrial era 5.0</p> <p>References: <i>RPS Journal Article Analysis Course</i></p>	5%
2	Understand the use of peer reviewed and non-peer reviewed references in developing research issues and the theoretical basis in developing research hypotheses that give rise to the state of the art of research	Distinguish between the use of peer reviewed and non peer reviewed references in developing research issues and theoretical foundations in developing research hypotheses that give rise to the state of the art of research	<p>Criteria:</p> <p>Able to distinguish between the use of peer reviewed and non peer reviewed references in developing research issues and theoretical basis in compiling research hypotheses that give rise to the state of the art of research</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	Presentations, discussions and questions and answers. 3 X 50 minutes	<p>Material: use of peer reviewed and non-peer reviewed references in developing research issues and theoretical basis in compiling research hypotheses that give rise to state of the art research.</p> <p>Reader: <i>Volokh Eugene. 2010. ACADEMIC LEGAL WRITING: LAW REVIEW ARTICLES, STUDENT NOTES, SEMINAR PAPERS, AND GETTING ON LAW REVIEW. NEW YORK: THOMSON REUTERS/FOUNDATION PRESS</i></p>	5%
3	Understand predatory journals and procedures for obtaining non-predatory journals	<p>1. Identifying predatory journals</p> <p>2. Obtain articles from non-predatory journals</p>	<p>Criteria:</p> <p>1.Able to present how to identify predatory journals and ways to obtain articles from non-predatory journals well</p> <p>2.Results of discussions and questions and answers regarding the material presented</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	• Presentations, discussions and questions and answers. 3 X 50 minutes	<p>Material: predatory journals and procedures for obtaining articles from non-predatory journals</p> <p>Bibliography: <i>Oermann, Marilyn H. Nicoll, Leslie H. Carter-Templeton, Heather; Owens, Jacquelin K. Wringley, Jordan; Ledbetter, Leila S. Chinn, Penggy L. 2022. How to identify predatory journals in a search. Nursing: April 2022 - Volume 52 - Issue 4 - p 41-45</i></p>	5%
4	Understanding plagiarism and the code of ethics for writing scientific journal articles	<p>1. Identifying types of plagiarism in journal articles</p> <p>2. Using an application to determine the level of plagiarism of a scientific article</p> <p>3. Understand the code of ethics for writing scientific articles</p>	<p>Criteria:</p> <p>1.Able to present plagiarism media assignments and the code of ethics for writing scientific articles well</p> <p>2.Discussion and questions and answers</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	• Presentations, discussions and questions . 3 X 50 minutes	<p>Material: plagiarism and code of ethics for writing scientific journal articles</p> <p>Reference: <i>Digital literacy and plagiarism identification application</i></p>	5%

5	Analyzing and evaluating international journal articles	<ol style="list-style-type: none"> 1. Evaluating the reputation quality of international journals 2. Obtain journal articles to support the completion of the final assignment 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Able to present the reputation of the journal and ways to get quality journals to reference scientific articles and the anatomy of good scientific articles 2. Discussion and questions and answers <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>		<ul style="list-style-type: none"> • Presentation, discussion and question and answer 3 X 50 minutes 	<p>Material: international journal articles References: <i>Digital literacy about journal reputation through SJR, WoS, etc</i></p>	5%
6	Developing creativity in writing journal reviews	<ol style="list-style-type: none"> 1. Understand the anatomy of scientific articles 2. Review scientific articles 3. Write review articles 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Able to understand the anatomy of scientific articles 2. Able to review scientific articles 3. Able to write case study results in the form of scientific articles <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>		<p>Presentations, discussions and questions and answers. 3 X 50 minutes</p>	<p>Material: journal review writing Bibliography: <i>Cargill, Margaret and O'Connor, Patrick. 2014. Writing Scientific Research: Articles Strategy and Steps. Singapore: John Wiley & Sons Ltd</i></p> <hr/> <p>Material: journal review writing References: <i>SALEH, NAVEED. 2014. THE COMPLETE GUIDE TO ARTICLE WRITING: HOW TO WRITE SUCCESSFUL ARTICLES FOR ONLINE AND PRINT MARKETS. Ohio: Writer's Digest Books</i></p>	5%
7	Developing creativity in writing journal reviews	<ol style="list-style-type: none"> 1. Understand the anatomy of scientific articles 2. Review scientific articles 3. Write review articles 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Able to understand the anatomy of scientific articles 2. Able to review scientific articles 3. Able to write case study results in the form of scientific articles <p>Form of Assessment : Participatory Activities</p>		<p>Presentations, discussions and questions and answers. 3 X 50 minutes</p>	<p>Material: journal review writing Bibliography: <i>Cargill, Margaret and O'Connor, Patrick. 2014. Writing Scientific Research: Articles Strategy and Steps. Singapore: John Wiley & Sons Ltd</i></p> <hr/> <p>Material: journal review writing References: <i>SALEH, NAVEED. 2014. THE COMPLETE GUIDE TO ARTICLE WRITING: HOW TO WRITE SUCCESSFUL ARTICLES FOR ONLINE AND PRINT MARKETS. Ohio: Writer's Digest Books</i></p>	5%
8	Midterm Assessment	Mid-semester assessment assignments	<p>Criteria: Able to do mid-semester assessment assignments correctly</p> <p>Form of Assessment : Test</p>		Midterm Assessment 3 X 50		15%
9	Communicate journal reviews through presentations or publications	<ol style="list-style-type: none"> 1. Skilled in presenting a framework of thinking related to the results of reviews of scientific articles which are the focus of completing the final assignment 2. Prepare theoretical arguments related to the results of reviews of scientific articles which are the focus of completing the final assignment 	<p>Criteria:</p> <ol style="list-style-type: none"> 1. Able to present the results of review articles according to the focus area of the final assignment 2. Discussion and questions and answers <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	<ul style="list-style-type: none"> • Presentation of the results of the review article according to the focus area of the final assignment. • Discussion and questions and answers 3 X 50 minutes 		<p>Material: Communication review articles Literature: <i>Review articles</i></p>	5%

10	Communicate journal reviews through presentations or publications	<p>1.Skilled in presenting a framework of thinking related to the results of reviews of scientific articles which are the focus of completing the final assignment</p> <p>2.Prepare theoretical arguments related to the results of reviews of scientific articles which are the focus of completing the final assignment</p>	<p>Criteria:</p> <p>1.Able to present the results of review articles according to the focus area of the final assignment</p> <p>2.Discussion and questions and answers</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	<ul style="list-style-type: none"> • Presentation of the results of the review article according to the focus area of the final assignment. • Discussion and questions and answers 3 X 50 minutes 		<p>Material: Communication review articles Literature: <i>Review articles</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=MC_y4WY6gBS4 References: <i>Digital literacy about journal reputation through SJR, WoS, etc.</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=sj_8YNa4Y-DI Library: <i>Review Articles</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=IB_GMSNtj2Qs Library: <i>Review Articles</i></p>	5%
11	Communicate journal reviews through presentations or publications	<p>1.Skilled in presenting a framework of thinking related to the results of reviews of scientific articles which are the focus of completing the final assignment</p> <p>2.Prepare theoretical arguments related to the results of reviews of scientific articles which are the focus of completing the final assignment</p>	<p>Criteria:</p> <p>1.Able to present the results of review articles according to the focus area of the final assignment</p> <p>2.Discussion and questions and answers</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	<ul style="list-style-type: none"> • Presentation of the results of the review article according to the focus area of the final assignment. • Discussion and questions and answers 3 X 50 minutes 		<p>Material: Communication review articles Literature: <i>Review articles</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=p_q1pNz5D57I References: <i>Review Articles</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=2_v2jq0LR8Qg Bibliography: <i>Review Articles</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=fl_RnDjMnmTc Bibliography: <i>Review Articles</i></p>	5%
12	Communicate journal reviews through presentations or publications	<p>1.Skilled in presenting a framework of thinking related to the results of reviews of scientific articles which are the focus of completing the final assignment</p> <p>2.Prepare theoretical arguments related to the results of reviews of scientific articles which are the focus of completing the final assignment</p>	<p>Criteria:</p> <p>1.Able to present the results of review articles according to the focus area of the final assignment</p> <p>2.Discussion and questions and answers</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	<ul style="list-style-type: none"> • Presentation of the results of the review article according to the focus area of the final assignment. • Discussion and questions and answers 3 X 50 minutes 		<p>Material: Communication review articles Literature: <i>Review articles</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=p_q1pNz5D57I References: <i>Review Articles</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=2_v2jq0LR8Qg Bibliography: <i>Review Articles</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=fl_RnDjMnmTc Bibliography: <i>Review Articles</i></p>	5%
13	Communicate journal reviews through presentations or publications	<p>1.Skilled in presenting a framework of thinking related to the results of reviews of scientific articles which are the focus of completing the final assignment</p> <p>2.Prepare theoretical arguments related to the results of reviews of scientific articles which are the focus of completing the final assignment</p>	<p>Criteria:</p> <p>1.Able to present the results of review articles according to the focus area of the final assignment</p> <p>2.Discussion and questions and answers</p> <p>Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment</p>	<ul style="list-style-type: none"> • Presentation of the results of the review article according to the focus area of the final assignment. • Discussion and questions and answers 3 X 50 minutes 		<p>Material: Communication review articles Literature: <i>Review articles</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=p_q1pNz5D57I References: <i>Review Articles</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=2_v2jq0LR8Qg Bibliography: <i>Review Articles</i></p> <hr/> <p>Material: https://www.youtube.com/watch?v=fl_RnDjMnmTc Bibliography: <i>Review Articles</i></p>	5%

14	Communicate journal reviews through presentations or publications	1.Skilled in presenting a framework of thinking related to the results of reviews of scientific articles which are the focus of completing the final assignment 2.Prepare theoretical arguments related to the results of reviews of scientific articles which are the focus of completing the final assignment	Criteria: 1.Able to present the results of review articles according to the focus area of the final assignment 2.Discussion and questions and answers Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	• Presentation of the results of the review article according to the focus area of the final assignment. • Discussion and questions and answers 3 X 50 minutes		Material: Communication review articles Literature: <i>Review articles</i> Material: https://www.youtube.com/watch?v=p_q1pNz5D57I References: <i>Review Articles</i> Material: https://www.youtube.com/watch?v=2_v2jq0LR8Qg Bibliography: <i>Review Articles</i> Material: https://www.youtube.com/watch?v=fl_RnDjMnmTc Bibliography: <i>Review Articles</i>	5%
15	Communicate journal reviews through presentations or publications	1.Skilled in presenting a framework of thinking related to the results of reviews of scientific articles which are the focus of completing the final assignment 2.Prepare theoretical arguments related to the results of reviews of scientific articles which are the focus of completing the final assignment	Criteria: 1.Able to present the results of review articles according to the focus area of the final assignment 2.Discussion and questions and answers Form of Assessment : Participatory Activities, Project Results Assessment / Product Assessment	• Presentation of the results of the review article according to the focus area of the final assignment. • Discussion and questions and answers 3 X 50 minutes		Material: Communication review articles Literature: <i>Review articles</i> Material: https://www.youtube.com/watch?v=p_q1pNz5D57I References: <i>Review Articles</i> Material: https://www.youtube.com/watch?v=2_v2jq0LR8Qg Bibliography: <i>Review Articles</i> Material: https://www.youtube.com/watch?v=fl_RnDjMnmTc Bibliography: <i>Review Articles</i>	5%
16	End of Semester Assessment	End of semester assessment assignment	Criteria: Able to complete final semester assessment assignments correctly Form of Assessment : Test	Final Assessment of Semester 3 X 50 minutes			15%

Evaluation Percentage Recap: Project Based Learning

No	Evaluation	Percentage
1.	Participatory Activities	40%
2.	Project Results Assessment / Product Assessment	30%
3.	Test	30%
		100%

Notes

- Learning Outcomes of Study Program Graduates (PLO - Study Program)** are the abilities possessed by each Study Program graduate which are the internalization of attitudes, mastery of knowledge and skills according to the level of their study program obtained through the learning process.
- The PLO imposed on courses** are several learning outcomes of study program graduates (CPL-Study Program) which are used for the formation/development of a course consisting of aspects of attitude, general skills, special skills and knowledge.
- Program Objectives (PO)** are abilities that are specifically described from the PLO assigned to a course, and are specific to the study material or learning materials for that course.
- Subject Sub-PO (Sub-PO)** is a capability that is specifically described from the PO that can be measured or observed and is the final ability that is planned at each learning stage, and is specific to the learning material of the course.
- Indicators for assessing** ability in the process and student learning outcomes are specific and measurable statements that identify the ability or performance of student learning outcomes accompanied by evidence.
- Assessment Criteria** are benchmarks used as a measure or measure of learning achievement in assessments based on predetermined indicators. Assessment criteria are guidelines for assessors so that assessments are consistent and unbiased. Criteria can be quantitative or qualitative.
- Forms of assessment:** test and non-test.
- Forms of learning:** Lecture, Response, Tutorial, Seminar or equivalent, Practicum, Studio Practice, Workshop Practice, Field Practice, Research, Community Service and/or other equivalent forms of learning.
- Learning Methods:** Small Group Discussion, Role-Play & Simulation, Discovery Learning, Self-Directed Learning, Cooperative Learning, Collaborative Learning, Contextual Learning, Project Based Learning, and other equivalent methods.
- Learning materials** are details or descriptions of study materials which can be presented in the form of several main points and sub-topics.
- The assessment weight** is the percentage of assessment of each sub-PO achievement whose size is proportional to the level of difficulty of achieving that sub-PO, and the total is 100%.
- TM=Face to face, PT=Structured assignments, BM=Independent study.

