



**BRAWIJAYA UNIVERSITY**  
**FACULTY OF ENGINEERING**  
**DEPARTMENT OF URBAN AND REGIONAL PLANNING / UNDERGRADUATE URP STUDY PROGRAM**

**SEMESTER LEARNING PLAN**

SUBJECT	CODE	SUBJECT SCOPE	WEIGHT (credits)	SEMESTER	Date of Preparation
COMPREHENSIVE RESEARCH METHODOLOGY	TKW61013	COLLOQUIUM AND THESIS	3	5	AUGUST 20, 2023
AUTHORIZATION	RPS (Semester Learning Plan) Developer Lecturer		Subject Coordinator	Head of Study Program	
COMPARTMENTS. COLLOQUIUM AND THESIS	1. Wawargita Permata W, S.T., M.T. 2. Prof. Dr. Ir. Surjono, MTP. 3. Dr. Eng. Turniningtyas Ayu R, S.T., M.T. 4. Deni Agus Setyono, S.T., M.T.		Deni Agus Setyono, S.T., M.T.	Dr. Septiana Hariyani, S.T., M.T.	
Learning Outcomes	ILO (Intended Learning Outcome)				
	1	Able to explain theoretical concepts and apply research methods in the field of urban and regional planning			
	2	Able to conduct surveys in the field of urban and regional planning, both individually and in groups, effectively and efficiently			
	4	Able to use processes and methods in infrastructure planning and disaster mitigation, as well as environmental management, information systems, urban management, and public policy			
	5	Able to analyze and evaluate problems in the field of urban and regional planning using a comprehensive, advocacy-driven, and innovative rational planning approach			
7	Able to apply theories and methods in the field of URP for the integration of planning and development of resilient villages and cities				

	8	Able to formulate concepts and develop spatial physical planning while considering socio-cultural, economic, institutional, and environmental aspects
	9	Able to present concepts and methods communicatively and provide guidance or facilitation in planning activities
<b>CLO (Class Learning Outcome)</b>		
	CLO 1	Able to <b>explain the</b> research philosophy, process, and framework of scientific research
	CLO 2	Able to <b>explain</b> various sources of literature and able to <b>determine</b> research variables based on relevant literature
	CLO 3	Able to <b>describe</b> various forms of data collection and application of sampling techniques
	CLO 4	Able to <b>describe</b> qualitative and quantitative analysis methods and techniques/tools
	CLO 5	Able to <b>compile</b> urgency and research problems in the field of URP in the form of scientific reports
<b>SCIO (Sub-Class Learning Outcome)</b>		
	SCLO 1	Able to explain the philosophy, process, and framework of research in the field of URP
	SCLO 2	Able to explore research problems and determine problem formulations
	SCLO 3	Able to describe various sources of literature for research
	SCLO 4	Able to determine variables, sub-variables, indicators, and research parameters
	SCLO 5	Able to explain various data collection techniques
	SCLO 6	Able to explain the use of sampling techniques that suit research needs
	SCLO 7	Able to describe the differences in research data analysis methods and techniques
<b>Brief description of the course</b>	This course helps students to understand the research process, methods, and analysis techniques used in preparing research relevant to the field of URP. At the end of the course, students are expected to be able to compile the operationalization of the research to be carried out (starting from the formulation of problems, literature, variables, to methods and analysis techniques).	
<b>Learning Materials / Subjects</b>	<ol style="list-style-type: none"> <li>1. Scholarship in research methods;</li> <li>2. Research methods and processes;</li> <li>3. Research problem, scientific statement, research approach;</li> <li>4. Literature review;</li> <li>5. Variables/sub-variables, indicators and research parameters;</li> <li>6. Data collection techniques;</li> <li>7. Sampling technique</li> <li>8. Data processing 1 (quantitative analysis methods, techniques and tools)</li> </ol>	

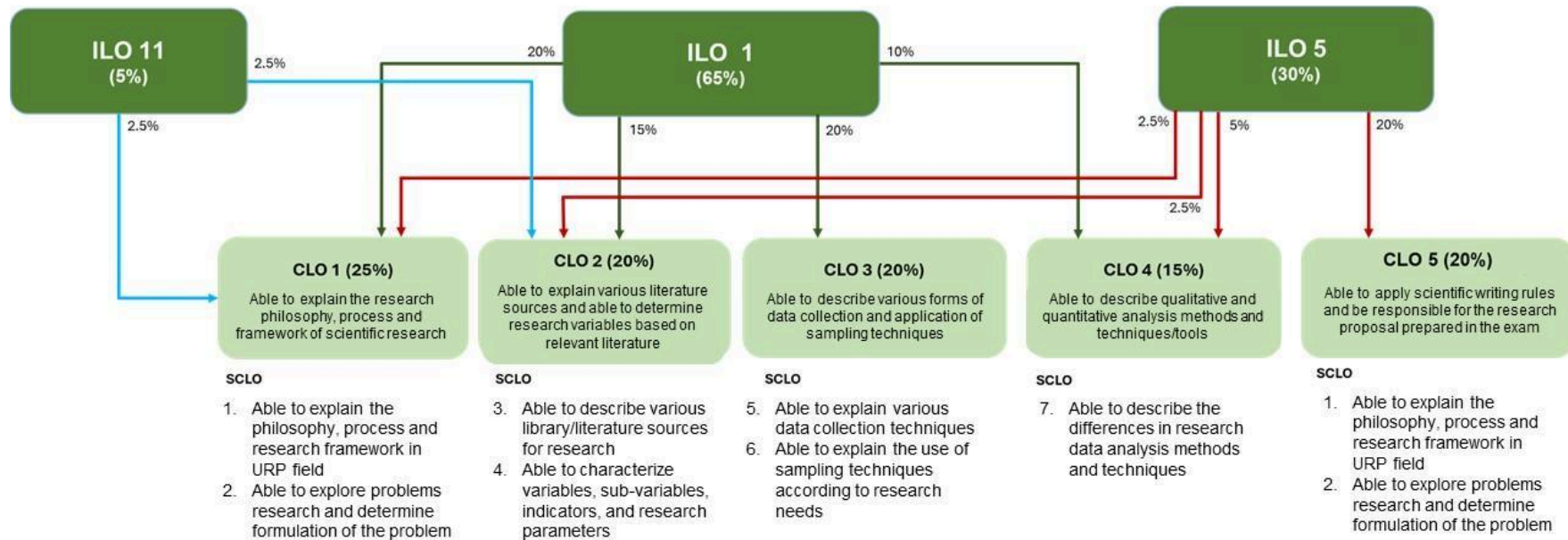
	9. Data processing 2 (qualitative analysis methods, techniques and tools)	
<b>Library</b>	<b>Main</b>	
	<ol style="list-style-type: none"> <li>1. Arikunto, Suharsimi. Research Procedures an Approach and Practice. Rineka Cipta. Jakarta 1998.</li> <li>2. Burhan Bungin. Qualitative Research for Communication, Public Policy and other Social Sciences. Fajar Interpratama Grafika. Jakarta. 2007.</li> <li>3. Berry, Ralph. The Research Project: How to Write It. Routledge. 2005.</li> <li>4. Babbie, E. 1992. The Practice of Social Science. Belmont.</li> <li>5. Backstrom, CH. &amp; Cesar Hursh. 1981. Survey Research. New York. Macmillan.</li> <li>6. Brewer J. &amp; Hunter A. 1989. Multimethod Research: A Synthesis of Styles. New Burry park. London.</li> <li>7. Converse, J.M. &amp; S. Presser. 1986. Survey Questions: Handcrafting the Standardized Questionnaire. Newbury Park.</li> <li>8. Dane, Francis C. Research Methods, Mercer University. California. 1990.</li> <li>9. Erianto. Polling Methodology Empowering the People's Voice. Teenage Workshop. Bandung. 1999.</li> <li>10. Neuman, Lawrence. Social Research Methods, Qualitative and Quantitative Approaches. Allyn and Bacon. Boston. 2003</li> <li>11. Norman K.D. and Yvonna S. L. Handbook of Qualitative Research. Sage Publication. Pvt. Ltd. India 1997.</li> <li>12. O'Leary, Zina. The Essential Guide to Doing Research. Sage Publications. 2004.</li> <li>13. Robert K. Yin. Case Study Design and Methods. Raja Drafindo Persada. Jakarta. 2008.</li> <li>14. Saris, Willem. Design, Evaluation, and Analysis of Questionnaires for Survey Research. Wiley-Interscience. 2007.</li> </ol>	
	<b>Supporters</b>	
	Relevant textbooks and scientific articles	
<b>Learning Media</b>	<b>Software:</b>	<b>Hardware:</b>
	Microsoft Office, VLM2 Gapura UB (SIADO and SIAM)	LCD, laptop, speakers, camera, etc.
<b>Team Teaching</b>	<ol style="list-style-type: none"> <li>1. <b>Wawargita Permata Wijayanti, S.T., M.T. (WPW)</b></li> <li>2. Prof. Dr. Ir. Surjono, MTP.</li> <li>3. Dr. Eng. Turniningtyas Ayu R, S.T., M.T.</li> <li>4. Deni Agus Setyono, S.T., M.T.</li> </ol>	
<b>Course Requirements</b>	-	



**ILO BURP**

1. Able to explain theoretical concepts and apply research methods in the field of urban and regional planning;
2. Able to carry out surveys in the field of regional and urban planning, both individually and in groups effectively and efficiently;
3. Able to apply innovative participatory, comprehensive rational and strategic planning processes in the scope of urban settlement planning, villages, cities, regions, transportation or urban design;
4. Able to use processes and methods of infrastructure planning and disaster mitigation; as well as environmental management, information systems, urban management, and public policy;
5. Able to analyze and evaluate problems in the field of URP with a comprehensive, advocative, and innovative rational planning approach;
6. Able to operate software applications that support research, planning and design in the field of URP;
7. Able to apply theories and methods in the field of URP for the integration of planning and development of resilient villages and cities.
8. Able to formulate concepts and prepare spatial physical planning by considering socio-cultural, economic, institutional, and environmental aspects;
9. Able to present concepts and methods communicatively and provide assistance or facilitation in planning activities;
10. Able to compile scientific work and its publication in the form of research or planning results;
11. Apply a responsible attitude to work in their field of expertise independently or in a team and develop organizational and entrepreneurial skills, in accordance with laws, values, norms, and ethics.

## ILO and CLO relationship/percentage diagram



### CLO Weight Mapping against ILO

	ILO 1	ILO 2	ILO 3	ILO 4	ILO 5	ILO 6	ILO 7	ILO 8	ILO 9	ILO 10	ILO 11	Weight
CLO 1	0.8	0.0	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.05	1.0
CLO 2	0.75	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.05	1.0
CLO 3	0.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.05	1.0
CLO 4	0.6	0.0	0.0	0.0	0.35	0.0	0.0	0.0	0.0	0.0	0.05	1.0
CLO 5	0.2	0.0	0.0	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.05	1.0

### ILO and CLO relationship and assessment

ILO and IK ILO which are charged to the course				CLO				Media assessment and its contribution to course competency scores				Week
ILO	ILO Statement	IK-ILO	IK-ILO Statement	CLO	CLO statement	Weight (%)	Media Assessment	Quiz	Tasks	Mid Exam	Final Exam	
1	Able to <b>explain</b> theoretical concepts and apply research methods in the field of regional and urban planning	1A	<b>Explain</b> theoretical concepts in the field of urban and regional planning	1	Able to <b>explain</b> research philosophy, processes, and research frameworks	25%	Assignment, final exam		5%	20%		Week 6, 8
				3	Able to <b>describe</b> various forms of data collection and sampling techniques	20%	Tasks		20%			Week 14
				4	Able to <b>describe</b> qualitative and quantitative analysis methods and techniques/tools	15%	Final Exam			15%	Week 16	
		1B	<b>Apply</b> research and methods in the field of urban and regional planning	2	Able to <b>determine</b> research variables based on relevant literature	20%	Tasks		20%			Week 9

ILO and IK ILO which are charged to the course				CLO				Media assessment and its contribution to course competency scores				Week
ILO	ILO Statement	IK-ILO	IK-ILO Statement	CLO	CLO statement	Weight (%)	Media Assessment	Quiz	Tasks	Mid Exam	Final Exam	
5	Able to <b>analyze and evaluate</b> problems in the field of URP with a comprehensive, advocative, and innovative rational planning approach.	5A	Explain the approach to problems in the field of URP through comprehensive, advocative and innovative rational planning	5	Able to <b>compile</b> urgency and research problems in the field of URP in the form of scientific reports	20%	Tasks		20%			Week 12
11	<b>Apply a</b> responsible attitude to work in their field of expertise independently or in a team and develop organizational and entrepreneurial skills, in accordance with laws, values, norms, and ethics.	11A	Apply a responsible attitude in the tasks that are their responsibility									

### Recapitulation of Percentage of CLO and Assessment Relationship

CLO	DESCRIPTION	Task 1	Task 2	Task 3	Mid Exam	Final Exam	
CLO 1	Able to explain the research philosophy, process, and framework of scientific research				20.0%		20.0%
CLO 2	Able to explain various sources of literature and able to determine research variables based on relevant literature		20.0%				20.0%
CLO 3	Able to describe various forms of data collection and application of sampling techniques					17.5%	17.5%
CLO 4	Able to describe qualitative and quantitative analysis methods and techniques/tools					17.5%	17.5%
CLO 5	Able to compile urgency and research problems in the field of URP in the form of scientific reports	5.0%		20.0%			25.0%
<b>Final Score =</b>		<b>5%</b>	<b>20%</b>	<b>20%</b>	<b>20%</b>	<b>35%</b>	<b>100.0%</b>

### Recapitulation of Percentage Relationship between Assessment Type and CLOs

	CLO 1	CLO 2	CLO 3	CLO 4	CLO 5	Weight
Task 1					1.0	1.0
Task 2		1.0				1.0
Task 3					1.0	1.0
Mid Exam	1.0					1.0
Final Exam			0.5	0.5		1.0

### Percentage Recapitulation of CLO and ILO Relationship

	ILO 1	ILO 5	ILO 10	ILO 11	Weight

<b>CLO 1</b>	20.0%	2.5%		2.5%	25.0%
<b>CLO 2</b>	15.0%	2.5%		2.5%	20.0%
<b>CLO 3</b>	20.0%				20.0%
<b>CLO 4</b>	10.0%	5%			15.0%
<b>CLO 5</b>		20.0%	0%		20.0%
<b>Weight</b>	<b>65.0%</b>	<b>30.0%</b>	<b>0%</b>	<b>5.0%</b>	<b>100%</b>

## Semester Learning Plan

Week	SCLO	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material (Literature)	Assessment Weight
1 (WPW)	<b>SCLO 1</b> Able to explain the philosophy, process, and framework of research in the field of URP	1. Accuracy in explaining the scope of research in the field of URP 2. Accuracy in justifying research ideas	<b>Criteria:</b> Clarity of discussion/description of the scope of research in the field of URP <b>Assessment:</b> - <b>Test:</b> Task 1 <b>Non Test:</b> Discussion	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> <li>● Task 3</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes <b>Assignments and self-study:</b> 60 minutes + 50 Minutes	-	5
2 (SRJ)	<b>SCLO 1</b> Able to explain the philosophy, process, and framework of research in the field of URP	1. Accuracy in explaining the philosophy of science and basic concepts of scientific research	<b>Criteria:</b> Accuracy in explaining the philosophy of science and basic concepts of research <b>Assessment:</b> Essay/multiple choice <b>Test:</b> Mid Exam <b>Non Test:</b> Discussion	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes <b>Assignments and self-study:</b> 60 minutes + 50 Minutes	-	7.5
3 (SRJ)	<b>SCLO 1</b> Able to explain the philosophy, process, and	1. Accuracy in explaining the research process and methods	<b>Criteria:</b> Clarity of discussion/description of the research process	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes	-	7.5

Week	SCLO	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material (Literature)	Assessment Weight
	framework of research in the field of URP	2. Accuracy in developing research concepts/frameworks	and methods and accuracy in preparing the research framework. <b>Assessment:</b> Essay/multiple choice <b>Test:</b> Mid Exam <b>Non Test:</b> Discussion		<b>Assignments and self-study:</b> 60 minutes + 50 Minutes		
4 (SRJ)	<b>SCLO 2</b> Able to explore research problems and determine problem formulations	1. Accuracy in explaining research urgency criteria 2. Accuracy in recognizing research problems 3. Accuracy in recognizing the problem formulation	<b>Criteria:</b> Clarity of discussion/description of urgency, identification, and formulation of problems <b>Assessment:</b> Essay/multiple choice <b>Test:</b> Mid Exam <b>Non Test:</b> Discussion	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes <b>Assignments and self-study:</b> 60 minutes + 50 Minutes	-	5
5 (SRJ)	<b>SCLO 2</b> Able to explore research problems and determine	Accuracy in formulating urgency, identification, and formulation of problems	<b>Criteria:</b> Accuracy in formulating urgency, identification, and formulation of problems	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> <li>● Task 1</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes	-	5

Week	SCLO	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material (Literature)	Assessment Weight
	problem formulations		<b>Assessment:</b> Task 1 <b>Test:</b> - <b>Non Test:</b> -		<b>Assignments and self-study:</b> 60 minutes + 50 Minutes		
6 (WPW)	<b>SCLO 2</b> Able to explore research problems and determine problem formulations	1. Accuracy in finding research problems in the field of URP 2. Innovation in formulating the urgency and formulation of research problems	<b>Criteria:</b> Accuracy in formulating research problems <b>Assessment:</b> Task 1 <b>Test:</b> - <b>Non Test:</b> -	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> <li>● Task 3</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes <b>Assignments and self-study:</b> 60 minutes + 50 Minutes	-	15
7 (TAR)	<b>SCLO 3</b> Able to describe various sources of literature for research	1. Accuracy in explaining various sources of literature/libraries 2. Accuracy in choosing relevant literature sources	<b>Criteria:</b> Accuracy in explaining and selecting various kinds of relevant literature for research and developing a theoretical framework <b>Assessment:</b> - <b>Test:</b> - <b>Non Test:</b> Discussion	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes <b>Assignments and self-study:</b> 60 minutes + 50 Minutes	-	5

Week	SCLO	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material (Literature)	Assessment Weight
8 (TIM)	<b>Midterm Exam (UTS)</b>						
9 (TAR)	<b>SCLO 4</b> Able to determine variables, sub-variables, indicators, and research parameters	Accuracy in explaining various types of variables/sub-variables , indicators and research parameters	<b>Criteria:</b> Accuracy in explaining various types of variables/sub-variables, indicators and research parameters <b>Assessment:</b> - <b>Test:</b> - <b>Non Test:</b> Discussion	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes <b>Assignments and self-study:</b> 60 minutes + 50 Minutes	-	5
10 (TAR)	<b>SCLO 4</b> Able to determine variables, sub-variables, indicators, and research parameters	Accuracy in compiling and presenting variables/sub-variables , indicators and parameters that are in accordance with the selected research topic.	<b>Criteria:</b> Accuracy in compiling variables/sub-variables, indicators and research parameters according to the selected research topic. <b>Assessment:</b> Task 2 <b>Test:</b> Task 2 <b>Non Test:</b> -	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> <li>● Task 2</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes <b>Assignments and self-study:</b> 60 minutes + 50 Minutes	-	10

Week	SCLO	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material (Literature)	Assessment Weight
11 (WATERSHED)	<b>SCLO 5</b> Able to explain various data collection techniques	Accuracy in explaining various types of data, data sources, and instruments of primary and secondary surveys	<b>Criteria:</b> Accuracy in explaining various types of data, data sources, and survey instruments <b>Assessment:</b> Essay/multiple choice <b>Test:</b> - <b>Non Test:</b> -	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes <b>Assignments and self-study:</b> 60 minutes + 50 Minutes	-	5
12 (WATERSHED)	<b>SCLO 6</b> Able to explain the use of sampling techniques that suit research needs	<ol style="list-style-type: none"> <li>1. Accuracy in explaining the concepts of population and sample</li> <li>2. Accuracy in using <i>probability sampling</i> for selected research topics</li> </ol>	<b>Criteria:</b> Accuracy in calculating population and research samples and types of <i>probability sampling</i> <b>Assessment:</b> - <b>Test:</b> - <b>Non Test:</b> -	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes <b>Assignments and self-study:</b> 60 minutes + 50 Minutes	-	5
13 (WATERSHED)	<b>SCLO 6</b> Able to explain the use of sampling techniques that	1. Accuracy in explaining data collection techniques	<b>Criteria:</b> Accuracy in explaining data processing and quantitative analysis techniques	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> <li>● Task 3</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes	-	10

Week	SCLO	Indicator	Criteria & Form of Assessment	Learning Methods (Lecture / Assignment / other forms of learning)	Time (Duration)	Learning Material / Study Material (Literature)	Assessment Weight
	suit research needs	2. Accuracy in using <i>non-probability sampling</i> for selected research topics	<b>Assessment:</b> Task 3 <b>Test:</b> Task 3 <b>Non Test:</b> -		<b>Assignments and self-study:</b> 60 minutes + 50 Minutes		
14 (WPW)	<b>SCLO 7</b> Able to describe the differences in research data analysis methods and techniques	Accuracy in explaining various data processing processes and using quantitative analysis techniques and tools	<b>Criteria:</b> Accuracy in explaining various types of <i>non-probability sampling</i> <b>Assessment:</b> Essay/multiple choice <b>Test:</b> Final Exam <b>Non Test:</b> -	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes <b>Assignments and self-study:</b> 60 minutes + 50 Minutes	-	7.5
15 (WPW)	<b>SCLO 7</b> Able to describe the differences in research data analysis methods and techniques	Accuracy in explaining various data processing processes and using qualitative analysis techniques and tools	<b>Criteria:</b> Accuracy in explaining data processing and qualitative analysis techniques <b>Assessment:</b> Essay/multiple choice <b>Test:</b> Final Exam <b>Non Test:</b> -	<ul style="list-style-type: none"> <li>● Lecture/lecture</li> <li>● Discussion</li> </ul>	<b>Lecture:</b> 2x 50 minutes <b>Discussion:</b> 50 minutes <b>Assignments and self-study:</b> 60 minutes + 50 Minutes	-	7.5

<b>Week</b>	<b>SCLO</b>	<b>Indicator</b>	<b>Criteria &amp; Form of Assessment</b>	<b>Learning Methods (Lecture / Assignment / other forms of learning)</b>	<b>Time (Duration)</b>	<b>Learning Material / Study Material (Literature)</b>	<b>Assessment Weight</b>
16 (TIM)	<b>End of Semester Exam (UAS)</b>						



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**TASK PLAN 1**

<b>SUBJECT</b>	COMPREHENSIVE RESEARCH METHODOLOGY				
<b>CODE</b>	TKW61013	<b>credits</b>	3	<b>SEMESTER</b>	5
<b>INSTRUCTOR</b>	<ol style="list-style-type: none"> <li>1. <b>Wawargita Permata W, S.T., M.T.</b></li> <li>2. Prof. Dr. Ir. Surjono, MTP.</li> <li>3. Dr. Eng. Turniningtyas Ayu R, S.T., M.T.</li> <li>4. Deni Agus Setyono, S.T., M.T.</li> </ol>				
<b>TASK FORM</b>	<b>TASK TIME</b>				
Individuals	170 minutes/week/semester				
<b>TASK TITLE</b>					
Compile a research abstract					
<b>Sub-Class Learning Outcome</b>					
Able to explore research problems and determine problem formulations					
<b>TASK DESCRIPTION</b>					
<p>Students prepare a research abstract that is in accordance with their research interests.</p> <p>Examples of student research interests can follow the following research sub-fields.</p>					
<pre> graph LR     A[LAB EDIS] --&gt; B[LAB Perencanaan &amp; Perancangan Kota]     B --&gt; C[Lab Pengembangan Wilayah dan Kebijakan]   </pre> <p><b>LAB EDIS</b></p> <ul style="list-style-type: none"> <li>• Infrastruktur</li> <li>• Transportasi</li> <li>• Analisa dan permodelan spasial</li> <li>• Perubahan iklim</li> <li>• Manajemen dan dampak lingkungan</li> <li>• Energi</li> <li>• Community based development</li> </ul> <p><b>LAB Perencanaan &amp; Perancangan Kota</b></p> <ul style="list-style-type: none"> <li>• Manajemen perkotaan</li> <li>• Desain kawasan</li> <li>• Kelestarian kota pusaka</li> <li>• Perilaku spasial dalam ruang kota</li> <li>• Permukiman</li> <li>• Keberlanjutan kampung kota</li> <li>• Struktur ruang kota</li> </ul> <p><b>Lab Pengembangan Wilayah dan Kebijakan</b></p> <ul style="list-style-type: none"> <li>• Keterkaitan desa-kota</li> <li>• Pariwisata</li> <li>• Pengembangan perdesaan</li> <li>• Sosial ekonomi</li> <li>• Kemiskinan</li> <li>• Manajemen bencana</li> <li>• Industri</li> <li>• Pengembangan kawasan pesisir</li> <li>• Modal sosial</li> </ul>					

The research abstract consists of:

- a. Background and urgency
- b. Research problem
- c. Problem formulation
- d. Proposed analysis technique

**ASSIGNMENT METHOD**

1. Independent: students work on research abstracts independently
2. Discussion with lecturers. Students can discuss with lecturers on appropriate research themes (encouraged).

**FORM AND FORMAT OF OUTPUT**

**a. Garapan Object:** -

**b. Form of Output:**

1. Research abstract

**c. Output Format:**

The research proposal is compiled in 1 sheet of A4 size paper, Calibri light, 11, 1.15 spacing.

The research proposal should be clear and concise.

The research proposal format can be downloaded at:

<https://s.ub.ac.id/formatusulan2023>

**INDICATORS, CRITERIA AND ASSESSMENT WEIGHT**

- Research title innovation (15%)
- Accuracy in explaining the background, urgency of research (25%)
- Accuracy in justifying research problems (25%)
- Accuracy in formulating the problem (15%)
- Innovation and accuracy of analysis techniques and tools (10%)
- Scientific writing and grammar (10%)

**IMPLEMENTATION SCHEDULE**

Explanation of Task 1: Week 6

Discussion and assignments: Week 7 to week 11

Assignment submission: Week 12

**OTHER**

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<b>LIST OF REFERENCES</b>
Textbooks and scientific articles relevant to the research idea

## TASK 1 ASSESSMENT RUBRIC

Task Type : Compile a research abstract

Assessment type : Analytic/descriptive rubric

Assessment indicators : CLO 1 and 5

1. Able to use scientific research theories and concepts to develop background, problem identification, and problem formulation;
2. Able to compile abstracts with the rules and scientific writing.

Assessment Criteria :

Dimensions	Criteria	Value Weight	Bad 0-55	Simply 56-69	Good 70-80	Very good 81-100
Research abstract Elaborate site data	Research title innovation	35	There are many similar research titles and no explanation of why the research is interesting.	Similar research titles have been done, but there is an explanation as to why the research is interesting to do	Similar research titles have been done, but there is an explanation of why the research is of interest	The research title is very interesting
	Accuracy in explaining the background, urgency of research	30	Able to explain the background - very less use of citation of literature/theory/previous studies	Able to explain the background - the use of citation of literature/theory/previous studies is sufficient	Able to explain the background - the use of citation of literature/theory/previous studies well	Able to explain the background of the use of citation of previous literature/theory/studies with the latest year very well
	Accuracy in justifying research problems	20	Explanation of the problem is supported by one data source only: primary data/secondary data, not the latest year's data and not supported by relevant theories.	Explanation of the problem is supported by one data source only: primary data/secondary data, not the latest year's data and not supported by relevant theories.	Explanation of the problem is supported by one source of data only: primary data/secondary data, latest year, but not supported by relevant theories	Explanation of the problem is supported by primary data / secondary data, the latest year and reinforced by relevant theories.
	Accuracy in formulating the problem	15	No problem formulation	Problem formulation does not meet the criteria	Problem formulation meets only one criterion: logical and systematic	Logical and systematic problem formulation

Dimensions	Criteria	Value Weight	Bad 0-55	Simply 56-69	Good 70-80	Very good 81-100
	Innovation and accuracy of analytical techniques and tools	10	Does not include analysis techniques	Only lists general analysis techniques	Include information on the analysis technique to be used clearly, but the justification is less precise.	Include information on the analysis technique to be used with clear and appropriate justification
	Scientific writing and grammar	10	Does not meet overall requirements	Meets 30% of requirements	Meets 60%	Meets 90% of requirements



**BRAWIJAYA UNIVERSITY**  
**FACULTY OF ENGINEERING**  
**DEPARTMENT OF URBAN AND REGIONAL PLANNING / UNDERGRADUATE URP STUDY PROGRAM**

**TASK PLAN 2**

<b>SUBJECT</b>	COMPREHENSIVE RESEARCH METHODOLOGY				
<b>CODE</b>	TKW61013	<b>credits</b>	3	<b>SEMESTER</b>	5
<b>INSTRUCTOR</b>	1. Wawargita Permata W, S.T., M.T. 2. Prof. Dr. Ir. Surjono, MTP. <b>3. Dr. Eng. Turniningtyas Ayu R, S.T., M.T.</b> 4. Deni Agus Setyono, S.T., M.T.				
<b>TASK FORM</b>	<b>TASK TIME</b>				
Individuals	170 minutes/week/semester				
<b>TASK TITLE</b>					
Developing research variables					
<b>Sub-Class Learning Outcome</b>					
Able to determine variables, sub-variables, indicators, and research parameters					
<b>TASK DESCRIPTION</b>					
Students compile variables, sub-variables, parameters and research indicators in accordance with the formulation of research problems using relevant theories/literature.					
<b>ASSIGNMENT METHOD</b>					
Independent: students do the task independently					
<b>FORM AND FORMAT OF OUTPUT</b>					

<p><b>a. Garapan Object: -</b></p> <p><b>b. Form of Output: Report</b></p> <p><b>c. Output Format:</b></p> <p>The report must comply with the rules of scientific writing.</p> <p>Literature sources used should cite recent scientific articles.</p> <p>The report is A4, Arial, 11, 1.15 spacing and includes a report cover.</p> <p>The report is completed with a bibliography</p>
<p><b>INDICATORS, CRITERIA AND ASSESSMENT WEIGHT</b></p>
<ul style="list-style-type: none"> <li>● Research problem formulation (10%)</li> <li>● Accuracy in determining variables, sub-variables, indicators, and parameters (60%)</li> <li>● Source writing in variable tables (20%)</li> <li>● Bibliography (10%)</li> </ul>
<p><b>IMPLEMENTATION SCHEDULE</b></p>
<p>Explanation of Task 1: Week 9</p> <p>Assignment submission: Week 10</p>
<p><b>OTHER</b></p>
<p>-</p>
<p><b>LIST OF REFERENCES</b></p>
<p>Textbooks and scientific articles relevant to the research idea</p>

## TASK 2 ASSESSMENT RUBRIC

Task Type : Developing research variables

Assessment type : Analytic/descriptive rubric

Assessment indicator : CLO 2

1. Able to explain various sources of literature and able to determine research variables based on relevant literature

Assessment Criteria :

Dimensions	Criteria	Value Weight	Bad 0-55	Simply 56-69	Good 70-80	Very good 81-100
Developing research variables	Research problem formulation	10	Does not include problem formulation	Problem formulation is explained but not in accordance with the provisions	Problem formulation is explained but not in accordance with the provisions	The problem formulation is explained completely and in accordance with the provisions
	Accuracy in determining variables, sub-variables, indicators, and parameters	60	variables, sub-variables, parameters and indicators are not precisely described	50% of variables, sub-variables, parameters and indicators are correctly described according to the literature	70% of variables, sub-variables, parameters and indicators are correctly described according to the literature	90% of variables, sub-variables, parameters and indicators are correctly described according to the literature
	Citing sources in variable tables	20	citation sources are not listed in the variable table	50% of citation sources are listed in full in the variable table	70% of citation sources are listed in full in the variable table	90% of citation sources are listed in full in the variable table
	Bibliography, Writing and scientific writing	10	Does not include a bibliography	Only 50% of the bibliography is in accordance with the citation, written coherently, and does not use a particular format	70% of the bibliography is in accordance with the citation, written coherently, and does not use a specific format	Bibliography is in accordance with the citation, written coherently, and using a specific format.
			Does not meet overall requirements	Meets 30% of requirements	Meets 60%	Meets 90% of requirements

