



## MODUL HANDBOOK RESEARCH METHODOLOGY

Bachelor Degree Program  
Department of Interior Design  
Faculty of Creative Design and Digital Business

**Institut Teknologi Sepuluh Nopember**



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## Description of Course Unit

Course unit title	Research Methodology
Course unit code	DI184416
Type of course unit (compulsory, optional)	Compulsory
Level of course unit (according to EQF: first cycle Bachelor, second cycle Master)	First Cycle Bachelor
Year of study when the course unit is delivered (if applicable)	2 <sup>nd</sup> year
Semester/trimester when the course unit is delivered	4 <sup>th</sup>
Number of ECTS credits allocated	3.2 ECTS
Name of lecturer(s)	Dr. Mahendra Wardhana, ST. MT.
Learning outcomes of the course unit	Students are able to: 1. Students are able to work together in finding the problems and solving them through the research brief of concept design 2. Students are able to understand and create interior design research proposal and report 3. Students are able to master the research method to create interior design concept 4. Students are able to find data and analyze it
Mode of delivery (face-to-face, distance learning)	Face-to-face
Prerequisites and co-requisites (if applicable)	-
Course content	1. Qualitative and Quantitative Research on design research 2. Proposal and Design research report 3. Various kinds of research methodology of design concepts 4. Data and analysis
Recommended or required reading and other learning resources/tools	1. Wardhana, Mahendra 2013. Buku Catatan Perkuliahan. Metodologi Riset Desain Interior. Unpublish, Surabaya 2. Wardhana, Mahendra 2009. Buku Catatan Perkuliahan. Menciptakan Estetika Desain dengan Metodologi Penelitian. Unpublish, Surabaya 3. Purnama, C.M. 2001. Strategic Marketing Plan. Penerbit PT Gramedia Pustaka Utama. Jakarta. 4. Creswell, J. W. (2014). Research design: Qualitative, Quantitative, and Mixed Methods Approaches. SAGE. 5. Kothari, C. R. (2004). Research methodology: Methods and Techniques. New Age International. 6. Cohen, L., Manion, L., & Morrison, K. (2017). Research methods in education. Routledge. 7. Booth, W. C., Colomb, G. G., Williams, J. M., Bizup, J., & FitzGerald, W. T. (2016). The Craft of Research, Fourth Edition. University of Chicago Press. 8. Kara, H., Lemon, N., Mannay, D., & McPherson, M. (2021). Creative research methods in education: Principles and

	<p>Practices. Policy Press.</p> <p>9. Clark, V. L. P., &amp; Ivankova, N. V. (2015). Mixed methods research: A Guide to the Field. SAGE Publications.</p> <p>10. Eden, L., Nielsen, B. B., &amp; Verbeke, A. (2020). Research methods in international business. Palgrave Macmillan.</p>
Planned learning activities and teaching methods	Problem-Based Learning, Project-Based Learning and Blended Learning
Language of instruction	Bahasa and English
Assessment methods and criteria	Assignment, Project, Quiz, Midterm Exam and Final Exam

### Learning Outcome (LO)

LO	Description
LO1	Able to think critically in conducting interior design research
LO8	Mastering practical design knowledge about Geometry, building, communication (drawing), methodologies and consequences in the field of interior design
LO9	Mastering design concepts and able to compile reviews/ assessments on the quality of a design result
LO11	Responsible independently and as a team/ organization

### Course Learning Outcome (CLO)

CLO	Description	Mapping of CLO to LO				Weight of CLO (%)
		LO 1	LO 8	LO9	LO1 1	
CLO1	Students understand research methods to produce interior design concepts	x	x			15
CLO2	Students understand data collection techniques	x	x			15
CLO3	Students are able to write proposals and/or interior design research reports	x	x	x		50
CLO4	Able to compile theory and application to realize 2d, 2d+ and 3D works properly and responsibly		x		x	20

## Assessment Plan

No.	Course Learning Outcomes*	Assessment Technique	Assessment Weight (%)
1	<b>CLO1</b> Students understand research methods to produce interior design concepts <b>CLO4</b> Students are able to work together in groups and can independently present a complete and systematic interior design research proposal/report	Design Research Report Review (Case Method)	10
2	<b>CLO1</b> Students understand research methods to produce interior design concepts <b>CLO2</b> Students understand data collection techniques	Mid-Semester Evaluation (Cognitive - Midterm Exam)	15
3	<b>CLO3</b> Students are able to write proposals and/or interior design research reports <b>CLO4</b> Students are able to work together in groups and can independently present a complete and systematic interior design research proposal/report	Writing a Research Proposal (Case Method)	45
4	<b>CLO3</b> Students are able to write proposals and/or interior design research reports <b>CLO4</b> Students are able to work together in groups and can independently present a complete and systematic interior design research proposal/report	Developing Research Tools (Case Method)	30
Total Assessment Weight			100

## Learning Outcome Plan

Week	Sub Achievement-Subject Final Ability	Breadth (Learning Material)	Learning Method	Estimated Time	Students Learning Experience	Assessment Criteria and Indicator
1 - 2	Students are able to explain the position and relationship of Research Methodology course subject to other subjects	Course Introduction, relationships with other courses	Interactive lecture and discussion	2 meetings / lectures @ 120 minutes	Discussion	Attendance and liveliness during lectures
3 - 5	Students are able to distinguish qualitative and quantitative research well	Quantitative and Qualitative Research	Interactive lecture, discussion, and assignment	3 meetings / lectures @ 120 minutes	Discussion	Differences, advantages of each type of research
6 - 8	Students understand design research proposals and reports properly and correctly	Interior design research proposal and report	Interactive lecture, discussion, and assignment	3 meetings / lectures @ 120 minutes	Discussion	The composition and content of proposals and reports of interior design research
9 - 11	Students are able to create design research methods properly	Method and implementation of research on the interior design concept	Interactive lecture, discussion, and assignment	3 meetings / lectures @ 120 minutes	Discussion	Kedalaman jenis-jenis metode yang sesuai untuk menggali konsep desain interior Depth of suitable methods types for exploring interior design concepts
12 - 16	Students are able to find data and analyze it	Data and analysis	Interactive lecture, discussion, and assignment	3 meetings / lectures @ 120 minutes	Discussion	Data quality, how to find it, and analyze it

### REFERENCES (max 5):

1. Wardhana, Mahendra 2013. Buku Catatan Perkuliahan. Metodologi Riset Desain Interior. Unpublish, Surabaya
2. Wardhana, Mahendra 2009. Buku Catatan Perkuliahan. Menciptakan Estetika Desain dengan Metodologi Peneltian..Unpublish, Surabaya
3. Suryabrata, Sumadi (1998). Metodologi Penelitian. PT Rajagrafindo Persada. Jakarta
4. Purnama, C.M. (2001). *Strategic Marketing Plan*. Penerbit PT Gramedia Pustaka Utama. Jakarta.
5. Kerlinger, Fred N. (1990). *Asas-Asas Penelitian Behavior*. Gadjah Mada university Press. Yogyakarta

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\* Presentation