

UNDERGRADUATE
ARCHITECTURE PROGRAM
&
PROFESSIONAL PROGRAM
FOR ARCHITECT

2019/20

DEPARTMENT OF ARCHITECTURE AND PLANNING
FACULTY OF ENGINEERING
UNIVERSITAS GADJAH MADA

BETTER SPACE
BELLE LIVING

UNDERGRADUATE PROGRAM

Vision

"A Center of Excellence in Humanitarian Architecture in Asia"

Mission

"To Celebrate Architecture by Nurturing Innovative Young Architect through Multidisciplinary Approach"

PROFESSIONAL PROGRAM FOR ARCHITECT

Vision

"To Develop Young Architects with Professional Quality, High Entrepreneurial Spirit, And National & International Competence (based on IAI and UIA Qualifications)"

Mission

"To Provide Professional Architecture Education with Nationally and Internationally-Recognized Quality"

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Department of Architecture and Planning Campus, Universitas Gadjah Mada

Greetings from the Head of Department

Welcome to the Department of Architecture and Planning in the Faculty of Engineering of Universitas Gadjah Mada. As our response to the requirements from the International Union of Architects (UIA) on architecture professional education, the Department provides a continuous education track to fulfill at least 5 years of academic education before a two-year apprenticeship. The 4-year undergraduate program was established in 1962, while 1-year professional program was launched in December 2016. The first batch of students who fulfilled the 5-year education requirement for a professional architect started their final year in January 2017. Within the 4+1 program, the 4-year undergraduate program offers Bachelor in Architecture (S. Ars/ Sarjana Arsitektur) degree while the 1-year architect professional program offers an "Architect" degree (Ar./ Arsitek). With a mission of celebrating architecture by nurturing innovative young architects through interdisciplinary perspectives and a vision as a center of excellence in architecture-for-humanity in Asia, the 4-year program provides students with basic design competence and advanced competence, preparing them to embark into professional journey in the field of architecture and design as well as enhancing their skill and competence for further advanced training programs. Architecture design studios are the core of our education system and the estuary of all theoretical knowledge of obtained subjects. On the other hand, the 1-year professional program provides the students more practical competence for professional practices through professional studios as the core of the learning process. The lecturer and instructor team of the 1-year professional program are a carefully-curated list of those who actively engage in professional practices and deliver significant contribution to professional society. The contributions of well-known professional architecture firms are also significant in the learning process, and is facilitated through guaranteed internship placements in these firms as a part of the program.

Under the tagline of "Better Space Better Living" which summarizes the Department's vision of making a contribution to sustainable development, Department of Architecture and Planning strives to provide high-quality continuous education programs for aspiring professional architects, in a collective effort with graduates to give ultimate contribution and aim for high achievements both in national and international scale.

Ahmad Sarwadi, Dr. Eng.
Head of Department

OUR HISTORY

1960

1962

Department of Architecture and Planning was established under the Faculty of Engineering, with Bachelor of Architecture as the only study program offered.

1963

A student organization called Keluarga Mahasiswa Teknik Arsitektur (KMTA) Wiswakharman was established

1991

Master of Architecture Postgraduate Degree was established

1992

A unit that concerned in natural and heritage conservation called Center for Heritage Conservation (CHC) was established

2000

1994

Master of Urban Planning Postgraduate Degree was established

1997

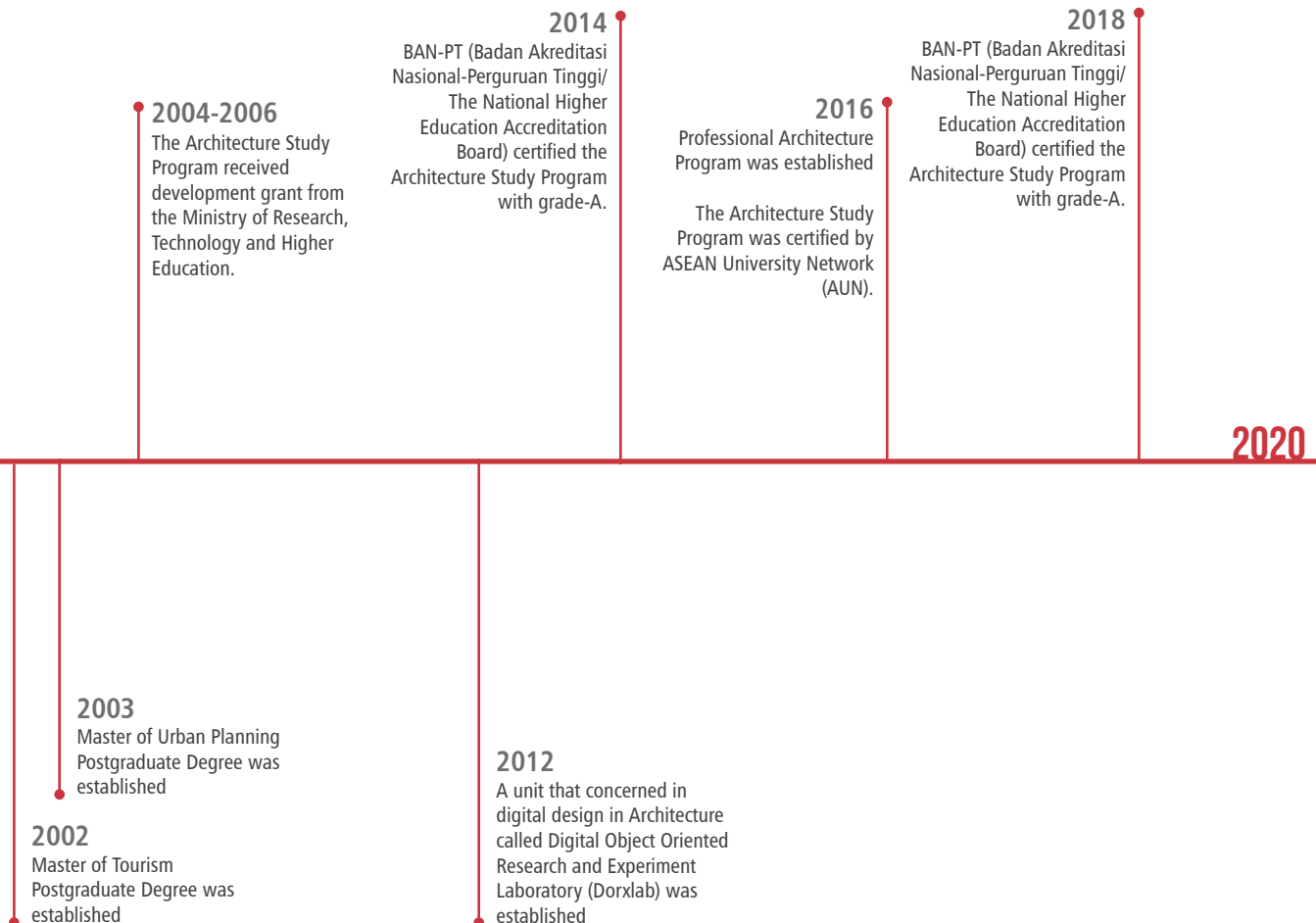
Master of Regional Development Postgraduate Degree was established

1999

Doctor of Architecture Postgraduate Degree was established

1998

A unit that concerned in design for difable called Center for Universal Design and Difability (CUDD) was established



CERTIFICATION & ACCREDITATION

Badan Akreditasi Nasional Perguruan Tinggi (BAN-PT)

— <http://www.banpt.or.id>

National Accreditation Board for Higher Education is the sole accreditation board that got authority from Ministry of Research, Technology, and Higher Education of Republic of Indonesia in improving the quality of higher education in Indonesia since 1994. "New Paradigm in Higher Education Management" is introduced through BAN-PT to improve relevance, academic quality, institution management, efficiency, and higher education sustainability.

ASEAN University Network (AUN)

— <http://www.aunsec.org>

ASEAN University Network-Quality Assurance (AUN-QA) network is a group of Chief Quality Officers (CQOs) appointed by the AUN member universities as the focal point for coordinating activities to realize the mission of harmonizing educational standards and seeking continuous improvement of academic quality of universities in ASEAN. The AUN-QA activities are carried out by the CQOs in accordance to the Bangkok Accord adopted in 2000, which provides a series of guidelines to promote the development of a quality assurance system as instruments for maintaining, improving and enhancing teaching, research and the overall academic standards of AUN member universities.

Korea Architectural Accreditation Board (KAAB)

— <http://www.eng.kaab.or.kr>

Followed by the Inaugurating General Assembly in December of 2004, the Korea Architectural Accrediting Board (KAAB) was established in January of 2005 by the Federation of Institutes of Korea Architects (FIKA) as the sole accrediting agency for professional architectural programs in Korea. With the announcement of the KAAB Conditions and Procedures, the mission of KAAB is to accredit professional degree programs in architecture of Korea, and promoting continuous improvements in architectural education with dissemination of improved understanding for architect's role in our society. The KAAB ultimately wishes to contribute to our society by fostering high level of education and proper skills for this discipline.

STUDENT PERFORMANCE CRITERIA

KOREA ARCHITECTURAL ACCREDITING BOARD (KAAB)

Students who completed architecture studies in Undergraduate Architecture Program of Universitas Gadjah Mada are expected to show capabilities in the following criteria, as described below.

CRITICAL THINKING IN ARCHITECTURE

- | | | |
|-----|---|--|
| 01. | Architecture, Science, Technology, and Fine Art | Understanding of mutual relationship between architecture, science, technology, and fine art. |
| 02. | History and Culture of Global Architecture | Understanding parallel and divergent histories of architecture with cultural diversity. |
| 03. | History of Indonesian Architecture and Tradition | Understanding of the unique philosophy and principles of Indonesian architecture and cultural tradition. |
| 04. | Architecture and Society | Understanding of regional, social, cultural, economic, and policy aspects and their mutual relationships that influence architecture and city. |
| 05. | Human Behavior and Spaces | Understanding of applying principles and methodologies of relationship between physical environment and human behavior to the spatial design. |
| 05. | Sustainable Architecture and Urbanism | Understanding of principles of sustainable architecture and urban planning for appropriate application of natural and artificial resources, and the preservation of historical and cultural resources. |

DESIGN

- | | |
|--|--|
| 07. Architectural Communication | Ability to express architectural ideas by design phases using diverse media such as oral, writing, sketch, drawing, model effectively chosen to different circumstances and audiences. (using English language in some design projects). |
| 08. Form and Spatial Organization | Ability to understand the basic principles of 2D and 3D forms and design, architectural composition and to apply such principles to generate creative forms and spaces. |
| 09. Research and Analysis | Ability to identify problems and propose appropriate solutions based on understanding of research and analysis methodologies of collected data from relevant precedents, theories, and social phenomena. |
| 10. Site Planning | Ability to analyze and evaluate social context and environmental factors of the site and apply in site planning including exterior space design. |
| 11. Accessible Design | Ability to design a building to meet the various requirements of all user groups including people with disabilities for their accessibility and safety. |
| 12. Safety and Fire Protection | Ability to design a building based on the principles of safety, fire protection, and egress. |

13.	Integration of Building Systems in Design	Ability to understand and integrate building systems such as structure, building envelop, mechanical and electrical services in design projects.
14.	Design of Adaptive Reuse	Ability to define conceptual design strategy of adaptive reuse to design renovation of building in response to issues such as evolving social, environmental values, and sense of places.
15.	Architecture and Urban Planning	Ability to understand the principles of urban planning, to critically assess existing urban plans and relevant issues to apply in architectural design.
16.	Comprehensive Design	Ability to design on the basis of program's educational objectives; identifying problems and propose solutions, and to produce drawings and design documents in variety of formats (thesis, reports, panels) throughout design stages.

ENGINEERING / TECHNOLOGY

- | | | |
|-----|---|--|
| 17. | Principles of Building Structure and Structural System | Understanding of principles of forces, fundamental theories and various systems of building structure and their application in design. |
| 18. | Environment Control Systems | Understanding of the basic principles of thermal, light, acoustic, indoor air quality, energy management and the application method of the environment control system. |
| 19. | Building Services Systems | Understanding of the basic principles and the application method of appropriate building systems such as mechanical, electrical, data, and fire protection services. |
| 20. | Application of Digital Technology | Understanding of the utilization and application of various digital technologies in design process. |
| 21. | Building Materials and Methods | Understanding of property and application of building materials, and construction methods of building components. |
| 22. | Building Construction and Construction Management | Understanding of project delivery methods and construction management to effectively facilitate physical, human, technical resources and budget. |

PROFESSIONAL PRACTICE

- | | |
|---|---|
| 23. Ethics of Architects and Professional Responsibility | Understanding of Ethics of the profession, architect's authority and responsibility, rights and duties to client and society. |
| 24. Architects Role in Project Execution | Understanding of professional documents and design phases such as initial brief, schematic design, design development, construction document, and architect's role in multi-disciplinary collaboration and reconciliation, construction cost estimation, design addendum, construction supervision, and building operation and maintenance. |
| 25. Operation and Management of Architectural Practice | Understanding of the principles and management skills required in the operation of an architectural firm such as contract, financing, business planning, marketing, project acquisition, and general management. |
| 26. Building Codes and Regulation | Understanding of building codes and regulations related to public safety, property rights, design, construction and practice, and of the legal responsibility and liability of architects. |

UNIVERSITAS GADJAH MADA

- | | |
|---|---|
| 27. Universitas Gadjah Mada Values | Understanding the values of divinity, nationality and democracy that valued by Universitas Gadjah Mada. |
|---|---|

CURRICULUM MAP

CURRICULUM OF 2016

No.	Course Code	Course	Cluster	Mandatory (m) / Studio (s) / Elective (e)	Number of SPC	Critical Thinking in Architecture					
						U	U	U	U	U	U
						8	3	1	6	3	4
						01	02	03	04	05	06
1	ARS1102	Architecture Design Studio 1	studio	s	3	01					
2	ARS1201	Structure and Construction 1	SC	m	1						
3	ARS1202	Introduction to Architecture	design	m	1	01					
4	ARS1203	Aesthetic	design	m	2	01					
5	ARS1204	Architectural Drawing	design	m	1						
6	ARS1205	Mathematics	faculty	m	1	01					
7	ARS1206	Pancasila	faculty	m	1						
8	ARS1207	Civics	faculty	m	1						
9	ARS1102	Architecture Design Studio 2	studio	s	4	01					
10	ARS1208	Structure and Construction 2	SC	m	2						
11	ARS1209	Architecture Aesthetic	design	m	3	01					
12	ARS1210	Method of Architecture Design Programming	design	m	2					05	
13	ARS1211	Site Analysis	design	m	2						06
14	ARS1212	Building Materials	tech	m	2						
15	ARS1213	Engineering Mechanics	tech	m	1						
16	ARS1214	Engineering Concept for Civilization	faculty	m	1						
17	ARS2101	Architecture Design Studio 3	studio	s	5						
18	ARS2215	Structure and Construction 3	SC	m	2						
19	ARS2216	Method of Design Transformation	design	m	2						
20	ARS2217	History of Western and Eastern Architecture	history theory	m	3		02				06
21	ARS2218	Digital Architecture	tech	m	2						
22	ARS2219	Building Physics 1	tech	m	2						
23	ARS2220	Material Technology	tech	m	2						
24	ARS222x	Religion	faculty	m	1						
25	ARS2102	Architecture Design Studio 4	studio	s	5						
26	ARS2226	Structure and Construction 4	SC	m	1						
27	ARS2227	Architecture Theory 1	history theory	m	2		02				
28	ARS2228	History of Nusantara Architecture	history theory	m	3			03			06
29	ARS2229	Building Physics 2	tech	m	2						
30	ARS2230	Building Services	tech	m	2						
31	ARS2231	Project Management	pro	m	4						
-	ARS23xx	Elective 1	elective	e1	0						

SPC KAAB																				
Design										Engineering/Technology						Professional Practice				UGM
A	AU	A	A	A	A	A	A	A	A	U	U	U	U	U	U	U	U	U	U	U
15	9	6	5	2	2	5	4	2	6	10	2	3	3	4	2	6	7	4	3	6
07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
07	08																			
										17										
	08																			
07																				27
																				27
07	08			11						17							24			
07	08									17										
		09																		
			10																	
										17				21						
										17										27
07	08	09	10				14			17							24			
	08	09																		
							14													
07													20							
											18		20							
										17				21						27
07			10	11		13				17										
										17										
	08																			
							14													
					12						18		20							
												19								
													21	22		24	25			

No.	Course Code	Course	Cluster	Mandatory (m) / Studio (s) / Elective (e)	Number of SPC	Critical Thinking in Architecture					
						U	U	U	U	U	U
						8	3	1	6	3	4
						01	02	03	04	05	06
32	ARS3101	Architecture Design Studio 5	studio	s	5						
33	ARS3232	Structure and Construction 5	SC	m	2						
34	ARS3233	Architecture Theory 2	history theory	m	2				04	05	
35	ARS3234	Professional Ethics and Building Codes	pro	m	3				04		
36	ARS3235	Housing Design	design	m	2				04		
37	ARS3236	Urban Design	design	m	3				04		06
-	ARS33xx	Elective 2	elective	e1	0						
-	ARS33xx	Elective 3	elective	e1	0						
38	ARS3102	Thematic Design Studio 1	studio	s	4						
39	ARS3237	Advance Structure and Construction	SC	m	3						
40	ARS3238	Professional Internship	pro	m	3						
41	ARS3239	Stadium General	pro	m	2						
-	ARS33xx	Elective 4	elective	e1	0						
-	ARS33xx	Elective 5	elective	e1	0						
-	ARS33xx	Elective 6	elective	e1	0						
42	ARS4101	Thematic Design Studio 2	studio	s	4						
43	ARS4240	Pre-Final Design Project	design	m	4				04		
44	ARS4241	Architectural Criticism	sejteo	m	3	01			04		
-	ARS33xx	Elective 7	elective	e1	0						
-	ARS33xx	Elective 8	elective	e1	0						
45	ARS4102	Final Design Project	studio	s	4						
46	ARS4242	Community Services	pro	m	1						
47	ARS5101	Professional Design Studio 1	studio	s	5						
48	ARS5202	Art, Culture, and Technology in Architecture	design	m	3	01	02			05	
49	ARS5201	Project and Studio Management	pro	m	3						
-	ARS53XX	Elective A	elective	e2	0						
50	ARS5102	Professional Design Studio 2	studio	s	5						
51	ARS5203	Architect and Professional Ethics	pro	m	4						
-	ARS53XX	Elective B	elective	e2	0						
-	ARS53XX	Elective C	elective	e2	0						

SPC KAAB																				
Design										Engineering/Technology						Professional Practice				UGM
A	AU	A	A	A	A	A	A	A	A	U	U	U	U	U	U	U	U	U	U	U
15	9	6	5	2	2	5	4	2	6	10	2	3	3	4	2	6	7	4	3	6
07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
07				12	13				16			19								
										17				21						
																23			26	
		09																		
								15												
07	08		10						16											
							14			17		19								
															22	23	24			
																23				27
07	08		10						16											
07		09							16											
07																				
07		09				13			16											
07						13			16							23			26	
																23	24	25		
07						13		15									24	25		
																23	24	25	26	

STUDY PROGRAMS

CURRICULUM OF 2016

UNDERGRADUATE PROGRAM

BASIC SKILL

1	2	3	4	5
ARS1202 Introduction to Architecture SPC-01 2 CC	ARS1209 Architecture Aesthetic SPC-01 07 08 2 CC	ARS2216 Method of Design Transformation SPC-08 09 2 CC	ARS2227 Architecture Theory 1 SPC-02 08 2 CC	ARS3233 Architecture Theory 2 SPC-04 05 2 CC
ARS1203 Aesthetic SPC-01 08 2 CC	ARS1210 Architecture Design Programming SPC-05 09 2 CC	ARS2217 History of Western and Eastern Architecture SPC-02 06 14 2 CC	ARS2228 History of Nusantara Architecture SPC-03 04 16 2 CC	ARS3234 Professional Ethics and Building Codes SPC-04 23 26 2 CC
ARS1204 Architectural Drawing SPC-07 4 CC	ARS1211 Site Analysis SPC-06 11 2 CC	ARS2218 Digital Architecture SPC-07 20 2 CC	ARS2231 Project Management SPC-21 22 24 25 2 CC	ARS3235 Housing Design SPC-04 09 2 CC
ARS1102 Architecture Design Studio 1 SPC-01 07 08 09 10 4 CC	ARS1102 Architecture Design Studio 2 SPC-01 07 08 11 4 CC	ARS2101 Architecture Design Studio 3 SPC-07 08 09 10 14 5 CC	ARS2102 Architecture Design Studio 4 SPC-07 10 11 13 17 5 CC	ARS3101 Architecture Design Studio 5 SPC-07 12 13 16 19 6 CC
ARS1201 Structure and Construction 1 SPC-17 3 CC	ARS1208 Structure and Construction 2 SPC-17 24 3 CC	ARS2215 Structure and Construction 3 SPC-17 24 3 CC	ARS2222 Structure and Construction 4 SPC-017 2 CC	ARS3232 Structure and Construction 5 SPC-17 21 2 CC
ARS1205 Mathematics SPC-01 2 CC	ARS1212 Building Materials SPC-17 21 3 CC	ARS2219 Building Physics 1 SPC-18 20 2 CC	ARS2229 Building Physics 2 SPC-18 20 2 CC	ARS3236 Urban Design SPC-04 06 15 2 CC
ARS1206 Pancasila SPC-27 2 CC	ARS1213 Engineering Mechanics SPC-17 2 CC	ARS2220 Material Technology SPC-17 21 2 CC	ARS2230 Building Services SPC-12 19 2 CC	ARS33__ Elective Course 2 2 CC
ARS1207 Civics SPC-27 2 CC	ARS1214 Engineering Concept for Civilization SPC-27 2 CC	ARS222__ Religion SPC-27 2 CC	ARS23__ Elective Course 1 2 CC	ARS33__ Elective Course 3 2 CC

The concept of Undergraduate Architecture Program’s curriculum is **BASIC SKILL+PLUS**, meaning that the curriculum strengthens the standard undergraduate architecture skills/competencies as well as building special interest/knowledge as an added value for the students. **Basic Skills** are mainly taught during studio courses in the first to fifth semester, while **Plus Skills** are developed in the sixth and seventh semester thematic studio courses. On the other hand, the concept of Professional Program for Architects is **Professional Skill** which emphasizes the development of skill-sets required for professional architecture practice.

PLUS SKILL

6	7	8
<div>ARS3238 Professional Internship SPC-01 07 08 09 102 CC</div> <div>ARS3239 Stadium General SPC-01 07 08 09 102 CC</div> <div>ARS3102 Thematic Design Studio 1 SPC-07 08 10 166 CC</div> <div>ARS3237 Advance Structure and Construction SPC-14 17 192 CC</div> <div>ARS33____ Elective Course 4 2 CC</div> <div>ARS33____ Elective Course 5 2 CC</div> <div>ARS33____ Elective Course 6 2 CC</div>	<div>ARS4240 Pre Final Design Project SPC-01 07 08 09 102 CC</div> <div>ARS4241 Architecture Criticism SPC-01 07 08 09 102 CC</div> <div>ARS4101 Thematic Design Studio 2 SPC-07 08 09 106 CC</div> <div>ARS33____ Elective Course 7 2 CC</div> <div>ARS33____ Elective Course 8 2 CC</div>	<div>ARS4102 Final Design Project SPC-07 09 13 168 CC</div> <div>ARS4242 Community Services SPC-272 CC</div>

PROFESSIONAL PROGRAM

PROFESSIONAL SKILL

1	2
<div>ARS5202 Art, Culture, and Technology in Architecture SPC-01 02 052 CC</div> <div>ARS5201 Project and Studio Management SPC-23 24 252 CC</div> <div>ARS5101 Professional Design Studio 1 SPC-07 13 16 23 266 CC</div> <div>ARS53____ Elective Course A 2 CC</div>	<div>ARS5203 Architect and Professional Ethics SPC-23 24 25 262 CC</div> <div>ARS5102 Professional Design Studio 2 SPC-017 13 15 24 256 CC</div> <div>ARS53____ Elective Course B 2 CC</div> <div>ARS53____ Elective Course C 2 CC</div>

NOTE

SPC : Student Performance Criteria
CC : Course Credit

Total Credits of Undergraduate Program : 144
Total Credits of Professional Program : 24

MANDATORY COURSE DESCRIPTION

UNDERGRADUATE PROGRAM

1ST SEMESTER

ARS1102

SPC-01

SPC-07

SPC-08

Architecture Design Studio 1

The course provides the students with knowledge of general understanding of architecture as a product of design process with main consideration on various aspects of aesthetic, functions, structures, technology, and science under the influence of various other contexts. The course is conducted through a series of lectures in class.

ARS1201

SPC-17

Structure and Construction 1

The course provides the students with knowledge of basic theories and principles of structural system in architectural works. The course is conducted through a combination of lectures and simple experiments involving basic structure making from everyday materials.

ARS1202

SPC-01

Introduction to Architecture

The course provides the students with knowledge of general understanding of architecture as a product of design process with main consideration on various aspects of aesthetic, functions, structures, technology, and science under the influence of various other contexts. The course is conducted through a series of lectures in class.

ARS1203

SPC-01

SPC-08

Aesthetic

The course provides the students with knowledge of appreciation on beauty / aesthetics in a space, as a preparation before introducing function into their designs. The course is conducted through a series of lectures in class as well as group study.

ARS1204

SPC-07

Architectural Drawing

The course provides the students with knowledge of various basic hand-sketching and architectural presentation techniques. The course is conducted through a series of lectures in class and outdoor sketching practices at various landmarks.

ARS1205 SPC-01	Mathematics The course provides the students with knowledge of mathematical logics to be applied to the field of architecture. The course is conducted through a series of lectures in class.
ARS1201 SPC-17	Pancasila The course provides the students with knowledge of Pancasila (the national ideology) values to be practiced in the daily life. The course is conducted through a series of lectures in class.
ARS1206 SPC-27	Civic Education The course provides the students with knowledge of civic education and its connection with architecture as a profession. The course is conducted through a series of lectures in class.

2ND SEMESTER

ARS1102

Architecture Design Studio 2

SPC-01

SPC-07

SPC-08

SPC-11

The course provides the students with knowledge of basic building functions based on accommodated activities and the implications of spatial design in architectural form. In this course, aesthetic composition competencies are also applied. To be eligible for this course, students must have completed Architecture Design Studio 1 with a minimum grade of D. The course is conducted through a combination of group tutorial classes and independent studies in studio-like environment under the supervision of a selected team of lecturers.

ARS1208

Structure and Construction 2

SPC-17

SPC-24

The course provides the students with knowledge of basic structure, construction, and building system of low-rise buildings. This course also examines basic skills required for production of detailed engineering drawing, specification documents, project estimates and bids. To be eligible for this course, students must have completed Structure and Construction 1 course. The course is conducted through a combination of lectures and model-making exercises.

ARS1209

Architecture Aesthetic

SPC-01

SPC-07

SPC-08

The course provides the students with knowledge of aesthetic principles in architecture as basics to identify and describe aesthetic values in architectural works. The course is conducted through a series of lectures in class with both individual and group projects.

ARS1210

Architecture Design Programming Methods

SPC-05

SPC-09

The course provides the students with knowledge of methods (procedures/techniques) of tracing, processing, and compiling information to form architectural design programs, along with examples of their various applications. The course is conducted through a series of lectures and group discussions.

ARS1211 SPC-01	Site Analysis The course provides the students with knowledge of identifying numerous aspects and information in relation to a design-site, to be able to provide adequate response to this information in the architectural design process. The course is conducted through a series of lectures and group discussions.
ARS1212 SPC-17 SPC-21	Building Material The course introduces various possible building materials and their characteristics, for application in building design. The course is conducted through a series of lectures in class.
ARS1213 SPC-17	Engineering Mechanics The course provides the students with knowledge of basic mechanics of engineering to be applied with considerations on both structural and architectural work. The course is conducted through a series of lectures in class.
ARS1214 SPC-27	Engineering Concept for Civilization The course provides the students with knowledge on the role of engineering for the national development and how architecture can provide contribution towards the development. The course is conducted through a series of lectures in class.

3RD SEMESTER

ARS2101 Architecture Design Studio 3

SPC-01 The course provides the students with knowledge of site-related design. The course
SPC-07 requires students to be able to create a contextual design and architectural ideas from
SPC-09 the site. To be eligible for this course, students must have completed Architecture Design
SPC-10 Studio 2 with a minimum grade of D. The course is conducted through a combination
SPC-14 of group tutorial classes and independent studies in studio-like environment under the
supervision of a selected team of lecturers.

ARS2215 Structure and Construction 3

SPC-17 The course provides the students with knowledge of basic structure, construction, and
SPC-24 building system of mid-rise buildings. This course also examines basic required skills for
production of detailed engineering drawing, specification documents, project estimates
and bids. To be eligible for this course, students must have completed Structure and
Construction 2 course. The course is conducted through a combination of lectures in class
and field survey in a qualified architectural project.

ARS2216 Design Transformation Method

SPC-08 The course provides the students with knowledge of the process of transforming ideas,
SPC-09 concepts and programs into design. The process includes procedural aspects of design
thinking, normative positions as a basis for design considerations, design methods from
glass-boxes and black-boxes, as well as the use of principles, templates, and precedents
in designing architectural project. The course is conducted through series of lectures
in class as well as individual and group project.

ARS2217 History of Western and Eastern Architecture

SPC-02 The course provides the students with knowledge of the history and characteristics of world
SPC-06 architecture development, with focus on the cultural context of Western countries (Europe
SPC-14 and America) and East Asian countries from the Egyptian, Classical, Modern, Post-Modern,
and Deconstruction era. The course is conducted through a series of lectures in class.

ARS2218 SPC-07 SPC-20	Digital Architecture The course provides the students with knowledge of practical skills in architecture-related software to support students' design work. The course is conducted through a series of tutorials in class and computer laboratory.
ARS2219 SPC-18 SPC-20	Building Physics 1 The course provides the students with knowledge of principles of building physics, especially thermal comfort, and their implication to building designs. The course is conducted through a series of lecture in class and independent studies.
ARS2220 SPC-17 SPC-21	Material Technology The course provides the students with knowledge of material-making, development of creative materials technology, and their application towards architectural work. The course is conducted through a series of lecture in class and independent studies.
ARS222_ SPC-27	Religion The course provides the students with knowledge of the religious values in accordance to advancement of science and technology, including principles of planning and design. Courses for five government-recognized religions are provided in the module. The course is conducted through a series of lecture in class.

4TH SEMESTER

ARS2102 Architecture Design Studio 4

SPC-07 The course provides the students with knowledge of multiple storey building design,
SPC-10 including their building systems, such as structure, electrical, and mechanical systems.
SPC-11 To be eligible for this course, students must have completed Architecture Design Studio
SPC-13 3 with a minimum grade of D. The course is conducted through a combination of group
SPC-17 tutorial classes and independent studies in studio-like environment under the supervision
 of a selected team of lecturers.

ARS2226 Structure and Construction 4

SPC-17 The course provides the students with knowledge of basic structure, construction, and
 building system of mid-rise buildings. This course also examines basic required skills
 for the production of detailed engineering drawing, specification documents, project
 estimates and bids. To be eligible for this course, students must have completed Structure
 and Construction 3 course. The course is conducted through a combination of lectures in
 class and field survey in a qualified architectural project.

ARS2227 Architecture Theory 1

SPC-02 The course provides the students with knowledge of the basic theories related to
SPC-08 architectural science. The course is conducted through a series of lecture in class.

ARS2228 History of Nusantara Architecture

SPC-03 The course provides the students with knowledge of the contextual history including the
SPC-06 concept, principles, and various factors influencing the development of architecture and
SPC-14 cities in Indonesia. The course is conducted through a series of lecture in class.

ARS2229	Building Physics 2
SPC-18	The course provides the students with knowledge of advanced principles in Building
SPC-20	Physics, especially in building acoustic and lighting, and their implication towards building design. The course is conducted through a series of lecture in class and independent studies.
ARS2229	Building Services
SPC-18	The course provides the students with knowledge of building utility systems, including
SPC-20	water treatment and distribution, electricity and communication, air conditioning, vertical circulation in buildings, fire hazard control and lightning protection system. The course is conducted through a series of lecture in class and field survey in qualified architectural projects.
ARS2230	Project Management
SPC-12	The course provides the students with knowledge of application, function, and
SPC-19	components of project management, including instruments of projects controlling and planning for architectural and construction services during a project. The course is conducted through a series of lectures in class.

5TH SEMESTER

ARS3101

Architecture Design Studio 5

SPC-07

SPC-12

SPC-13

SPC-16

SPC-19

The course provides the students with knowledge of comprehensive design, including architectural, structural, and detailed building service system, for a mid-rise building. To be eligible for this course, students must have completed Architecture Design Studio 4 with a minimum grade of D. The course is conducted through a combination of group tutorial classes and independent studies in studio-like environment under the supervision of a selected team of lecturers.

ARS3232

Structure and Construction 5

SPC-17

SPC-21

The course provides the students with knowledge of the basic structure, construction and various building system applied for wide-span buildings. To be eligible for this course, students must have completed Structure and Construction 4. The course is conducted through a series of lectures in class.

ARS3233

Architecture Theory 2

SPC-04

SPC-05

The course provides the students with knowledge of a broader scope of theories supporting the domain of architecture, such as ecology/environment, economics, anthropology-sociology, psychology, which support and enrich the discourse of architectural science. The course is conducted through a series of lectures in class.

ARS3234

Professional Ethics and Building Codes

SPC-04

SPC-23

SPC-26

The course provides the students with knowledge of basic principles and scope of professional ethics in architecture practice, national building codes and standards, and local building regulations. The course is conducted through a series of lectures in class.

ARS3235**Housing Design**

SPC-04

SPC-09

The course provides the students with knowledge of various methods, paradigms, concepts, and implementation of housings. The course is conducted through a series of lectures in class.

ARS3236**Urban Design**

SPC-04

SPC-06

SPC-15

The course provides the students with basic knowledge of elements that make up a city, urban principles as a tool for architectural design, and design of urban components. The course is conducted through a series of lectures in class.

6TH SEMESTER

ARS3102 Thematic Design Studio 1

SPC-07 The course provides the students with specified knowledge of an architectural theme
SPC-08 given by the lecturer/supervisor team, and ability to design according to the theme.
SPC-10 Each lecturer offers different specific topics for the students to choose, based on their
SPC-16 personal preferences/specialties. To be eligible for this course, students must have completed Architecture Design Studio 5 with a minimum grade of D. The course is conducted through a combination of group tutorial classes and independent studies in studio-like environment under the supervision of a selected team of lecturers.

ARS3237 Advanced Structure and Construction

SPC-14 The course provides the students with knowledge of advanced structure system in
SPC-17 integration with building service systems, through case studies of contemporary projects
SPC-19 such as super tall towers, mega structures, and adaptive reuse buildings. To be eligible for this course, students must have completed Structure and Construction 5 course. The course is conducted through a series of lectures in class.

ARS3238 Professional Internship

SPC-22 The course provides the students with experience of professional architecture practice.
SPC-23 This course requires students to work as interns in qualified architectures firm or be
SPC-24 directly involved in ongoing construction projects.

ARS3239 Stadium General

SPC-23 The course provides the students with comprehensive perspective on the profession of
SPC-27 architect. The course is conducted in a series of lectures given by professional architects / relevant inspirational figures invited as guest lectures in class.

7TH SEMESTER

ARS4101 Thematic Design Studio 2

SPC-07 The course provides the students with specified knowledge of an architectural theme
SPC-08 given by the lecturer/supervisor team, and ability to design according to the theme.
SPC-10 Each lecturer offers different specific topics for the students to choose, based on their
SPC-16 personal preferences/specialties. To be eligible for this course, students must have
completed Thematic Design Studio 1. The course is conducted through a combination
of group tutorial classes and independent studies in studio-like environment under the
supervision of a selected team of lecturers.

ARS4240 Bachelor Thesis

SPC-04 The course provides the students with necessary tools to produce a written conceptual
SPC-07 design proposal in the form of a bachelor thesis that will be further developed as their
SPC-09 final design project on the later stage. Each group of students is assigned to a specific
SPC-16 supervisor based on the relevance of the student's design proposal and the supervisor's
specialty. The course is conducted through a combination of independent studies and
scheduled tutorial sessions with the assigned supervisor.

ARS4241 Architectural Criticism

SPC-01 The course provides the students with the ability to recognize and perform architectural
SPC-04 criticisms, of which an architectural work is reviewed and evaluated based on its concept,
SPC-07 design process, and final result, with consideration on relevant historical knowledge,
theories, and design principles by normative, interpretive, and descriptive critique
methods. The course is conducted through a series of lectures in class.

8TH SEMESTER

ARS4102

Final Design Project

SPC-07

SPC-09

SPC-13

SPC-16

The course provides the students with the ability to transform their conceptual design proposals written in their thesis into architectural form and space programming. To be eligible for this course, students must have completed their Bachelor Thesis with a minimum grade of D, Professional Internship, and at least 8 elective courses. The course is conducted through a combination of independent studies and private tutorial between student and the supervisor.

ARS4242

Community Services

SPC-27

The course provides the students with a real experience of implementing their knowledge for the society's wellbeing. The community service works are focused on an integrated and sustainable community development. The course is conducted through practical work in interdisciplinary student groups dispatched to various areas in Indonesia.

PROFESSIONAL PROGRAM

1ST SEMESTER

ARS5101 Professional Design Studio 1

SPC-07 The course provides the students with the ability to professionally carry out a small scale
SPC-13 design project along with various design programs and appropriate structural support
SPC-16 which complies with local building regulations and environmental considerations. The
SPC-23 course is conducted through a combination of group tutorial classes and independent
SPC-24 studies in studio-like environment under the supervision of a selected team of lecturers.

ARS5202 Art, Culture and Technology in Architecture

SPC-01 The course provides the students with the ability to understand the basics of the process
SPC-02 design realization, based on theories, methods, or praxis related to art, culture, or
SPC-05 technology. These include the use of principles, templates, and design precedents. The
course is conducted through a series of lectures in class with some qualified professional
architects invited as guest lectures.

ARS5201 Project and Studio Management

SPC-23 This course teaches the students to be able to understand the essence of professional
SPC-24 activities of architects, understand the profession, project cycle, code of ethics, including
SPC-25 how to conduct ethical and positive marketing activities, have knowledge of various
forms of architectural bureaus and the consequences of their election, and can respond to
various environmental aspects strategic faced in professional practice, both now and in
the future. The course is conducted through series of lectures in class.

2ND SEMESTER

ARS5102

Professional Design Studio 2

SPC-07

SPC-13

SPC-15

SPC-24

SPC-25

The course provides the students with the ability to professionally carry out a small scale design project along with various design programs and appropriate structural support which complies with local building regulations and environmental considerations. In this course, students are obliged to do a supervised internship in a qualified architectural firm for 3 months at the beginning of the semester. Following the internship, students will return to the campus and resume the course, which is conducted through a combination of group tutorial classes and independent studies in studio-like environment under the supervision of a selected team of lecturers.

ARS5303

Architect and Professional Ethics

SPC-23

SPC-24

SPC-25

SPC-26

The course provides the students with the ability to understand the wide spectrum of an architect's professional activities, including the understanding of the profession, project cycle, code of ethics, ethical and positive marketing activities, and various types of architectural consultants. Students are also expected to respond to various environmental, strategic aspects faced in professional practice, in the present and the future. The course is conducted through a series of lectures in class.

STUDY OF ARCHITECTURE PRACTICE

Study of Architecture Practice is a elective course that can be taken by the students on 6th semester. In this course, the students do visitation to get more insight into the world of architecture and off-campus planning. The students determine their own place of work, conduct their own activities and plan their departure, and determine the theme of the study. The visitation is held for around 5-7 days, accompanied by Student Academic Advisors. The knowledge that they got from the visit is then used to solve real problems as a contribution to the community. The final result then will be exhibited as an architecture exhibition, Wiswakharman Expo.

NOTE

1. Study of Architecture Practice in 2015 to Singapore
2. Study of Architecture Practice in 2015 to The Urban Redevelopment Authority, Singapore
3. Study of Architecture Practice in 2016 to Malaka, Malaysia
4. Study of Architecture Practice in 2017 to Nias, Indonesia
5. Study of Architecture Practice presentation at Wiswakharman Expo 2016
6. Wiswakharman Expo 2017



1



2



3



4



5



6

INTERNSHIP

Internship (Kerja Praktek) is a mandatory course that provides the students with experience of professional architecture practice. This course requires students to work as interns in qualified architectures firm or be directly involved in ongoing construction projects.

Undergraduate students took internship in 6th semester. The internship will be going for around 1-3 months during semester breaks. This course is one of the requirements that need to be done to take Pre-Final Project. During internship, students' progress will be monitored by the internship supervisor. Students will make internship report as the final product of this course.

Professional Program for Architect students took internship in 2nd semester as part of Professional Studio Design 2. The internship will be going for 6 months, starting from during semester break until few weeks before the end of the semester. Students will continue to finalize their project before present it at the end of semester.

NOTE

1-6. Final Project presentation following the completion of internship program at Professional Program for Architect



COMMUNITY SERVICES

Community Services (Kuliah Kerja Nyata) is a mandatory course that provides the students with a real experience of implementing their knowledge for the society's wellbeing. The community service works are focused on an integrated and sustainable community development. The course is conducted through practical work in interdisciplinary student groups dispatched to various areas in Indonesia.

NOTE

1-3. KKN-PPM Sudimoro 2011

4-6. KKN-PPM Labuhan Maringgai 2017



LECTURERS

HTCA-UD EXPERTISE GROUP

Research Interest:
Urban Housing, Heritage
Architecture, Building
Environment

Education:
Universitas Gadjah Mada

Qualification:
Arsitek Madya IAI

Ir. Ismudiyanto, MS.

Research Interest:
Architectural and
Cultural Relation Studies,
Architecture Heritage and
Conservation, Cultural
Landscape

Education:
Kyoto University

**Dr. Ir. Laretna
Trisnanti Adishakti,
M.Arch**

Research Interest:
City Planning and
Environmental , Heritage,
Building for Disaster

Education:
Osaka University

Qualification:
IAI

**Ir. Ikaputra, M.Eng.,
Ph.D.**

Research Interest:
History and Theory of
Architecture, Colonial
Architecture, Vernacular
Architecture

Education:
Institut Teknologi
Bandung

Qualification:
Member of IAI

**Dimas Wihardiyanto,
ST., MT.**



Ir. Slamet Sudibyo, MT.

Research Interest:
Sustainable Urban Design

Education:
(belum ada data)

**Dr. Ir. Dwita Hadi
Rahmi, M.A.**

Research Interest:
Architecture Heritage
Conservation, Cultural
Landscape

Education:
Universitas Gadjah Mada

**Dyah Titisari
Widyastuti, ST,
MUDD.**

Research Interest:
Architecture and Urban
Design

Education:
Universitas Gadjah Mada

Qualification:
Member of IAI

**Alyas Abibawa
Widita, ST., MS.**

Research Interest:
Urban Mobility, Built
Environment, Data
Analytics

Education:
Georgia Institute of
Technology

DESIGN EXPERTISE GROUP

<p>Research Interest: Planning and Designing Tourism</p> <p>Education: University of Surrey Bournemouth</p> <p>Prof. Ir. Wiendu Nuryanti, M.Arch., Ph.D.</p>	<p>Research Interest: Concept and Philosophy of Human Settlement Architecture, Culture and Nature</p> <p>Education: Osaka University</p> <p>Prof. Ir. T. Yoyok Wa- hyu Subroto, M.Eng., Ph.D.</p>	<p>Research Interest: Healthcare Design</p> <p>Education: Georgia Institute of Technology</p> <p>Qualification: Asean Architect, Arsitek Utama IAI</p> <p>Ir. Adi Utomo Hاتمoko, M.Arch., IAI</p>	<p>Research Interest: Theory Design, Regionalism, Universal Design</p> <p>Education: Universitas Gadjah Mada</p> <p>Harry Kurniawan, S.T., M.Sc.</p>	<p>Research Interest: Design Methodology, Architectural Aesthetics</p> <p>Education: Universitas Gadjah Mada</p> <p>Mario Lodeweik Lionar, S.T. M.Sc.</p>	<p>Research Interest: Social Space, Street Livabil- ity, Urban Tourism</p> <p>Education: National University of Singapore</p> <p>Odilia Renangningtyas Manifesty, S.T., MAUD.</p>
					
					
<p>Dr. Ir. Djoko Wijono, M.Arch.</p> <p>Research Interest: Architectural and Cultural Relation Studies, Architectural and Human Behavior Relation Studies, Tourism Destination Development Studies</p> <p>Education: Universitas Gadjah Mada</p>	<p>Labdo Pranowo, S.T. M.Sc.</p> <p>Research Interest: Aesthetic and Visual, Building Style</p> <p>Education: Universitas Gadjah Mada</p>	<p>Diananta Pramitasari, S.T., M.Eng., Ph.D.</p> <p>Research Interest: Living Environment for Elderly</p> <p>Education: Kyushu University</p>	<p>Kurnia Widiastuti, S.T., MT.</p> <p>Research Interest: Architecture Pedagogy, Design Method, Experimental Architecture, Basic Aesthetics, Micro Design, School Design</p> <p>Education: Institut Teknologi Bandung</p> <p>Qualification: Arsitek Muda IAI</p>	<p>Syam Rachma Marcilia, S.T., M.Eng., Ph.D.</p> <p>Research Interest: (Behavioral Study)</p> <p>Education: Tokyo Institute of Technology</p>	<p>Kadek Indira Diah Kardina, S.T., M.T.</p> <p>Research Interest: Programming, Placemaking, Public space</p> <p>Education: Institut Teknologi Bandung</p>

TECHNOLOGY EXPERTISE GROUP

<p>Research Interest: Infrastructure and Environmental Technology</p> <p>Education: Universitas Gadjah Mada</p> <p>Ir. Moch. Santosa, MS.</p>	<p>Research Interest: Building Maintenance, Traditional Building, Construction Wood</p> <p>Education: Universitas Gadjah Mada</p> <p>Qualification: PII</p> <p>Ir. Medy Krisnany Samedyastoety, M.Arch.</p>	<p>Research Interest: Green Architecture</p> <p>Education: Institut Teknologi Bandung</p> <p>Qualification: Arsitek Madya</p> <p>Dr. Ir. Arif Kusumawanto, MT., IAI.</p>	<p>Research Interest: Microclimate Design, Architectural Science, Computational Design Support tool</p> <p>Education: Tokyo Metropolitan University</p> <p>Nedyomukti Imam Syafii, S.T., M.Sc.</p>	<p>Research Interest: Shadow in Architecture, Facade Design, BIM, Professional Practice</p> <p>Education: University of North Carolina</p> <p>Qualification: Arsitek Muda IAI</p> <p>Alexander Rani Suryandono, S.T., M.Arch.</p>	<p>Research Interest: Structural System, Physical Computing, Computational Design</p> <p>Education: University College London</p> <p>Nabila Afif, S.T., M.Arch.</p>
					
					
<p>Ir. Soeleman Saragih, MT.</p> <p>Research Interest: Models Structure</p> <p>Education: Universitas Gadjah Mada</p>	<p>Dr. Ing. Ir. Eugenius Pradipto</p> <p>Research Interest: Building Technology</p> <p>Education: Stuttgart University</p>	<p>Ir. Jatmika Adi Suryabrata, M.Sc., Ph.D.</p> <p>Research Interest: Illumination Design, Passive Design, High Performance Buildings</p> <p>Education: University of Sidney</p> <p>Qualification: Arsitek Muda IAI, GBCI</p>	<p>Agus Hariyadi, S.T., M.Sc.</p> <p>Research Interest: Parametric Design</p> <p>Education: University of Kitakyushu</p>	<p>Maria Ariadne Dewi Wulansari, S.T., M.T.</p> <p>Research Interest: Basic Structure and Construction, Traditional Housing's Structure, Post-Disaster Studies</p> <p>Education: Institut Teknologi Bandung</p>	

HUMAN SETTLEMENT & HOUSING DESIGN EXPERTISE GROUP

Research Interest:
Economic and Social
Housing

Education:
Newcastle University

**Prof. Ir. Atyanto
Dharoko, M.Phil.,
Ph.D**

Research Interest:
Ecology Architecture,
City Housing, Waterfront
Settlement

Education:
Kyoto University

Qualification:
PII

**Dr. Eng. Ir. Ahmad
Sarwadi, M.Eng.**



**Dr. Ir. Budi Prayitno,
M.Eng.**

Research Interest:
Sustainable Architecture
and Urbanism

Education:
Kyoto University

Qualification:
IAI, IAP

**Ardhya Nareswari,
S.T., MT., Ph.D.**

Research Interest:
Human and Settlement

Education:
Kobe University

NON-EXPERTISE GROUP

Research Interest:
Landscape Architecture and
Urban Design

Education:
University of Colorado

**Didik Kristiadi, MLA.,
MAUD.**

Education:
Universitas Gadjah Mada

Qualification:
Asean Architect, Arsitek
Utama IAI, PT. Global
Rancang Selaras

**Wahju Wulandari, ST.,
MM., IAI**

Education:
Universitas Gadjah Mada

Qualification:
Effstudio

Effan Adhiwira, ST.

Research Interest:
Building Physics and
Acoustic

Education:
University of Michigan

**Sentagi Sesotya
Utami, S.T., M.Sc.,
Ph.D**



**Gatot Suprihadi, ST.,
IAI**

Education:
Osaka University

Qualification:
PT. Wasnadipta

**Ir. Eko Agus Prawoto,
M.Arch., IAI.**

Education:
Universitas Gadjah Mada

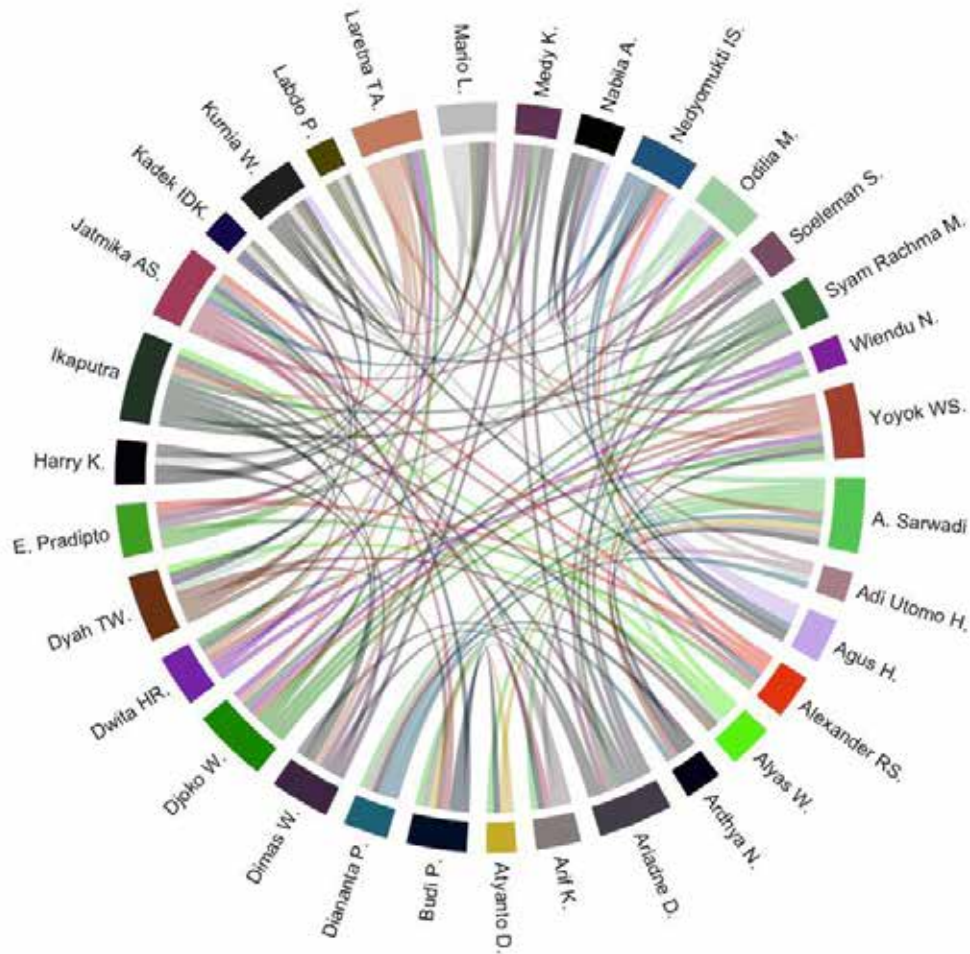
Qualification:
IAI

**Dr. Eng. M Kholid
Ridwan, S.T., M.Sc.**

Research Interest:
Building Physics and
Urban Energy

Education:
Tokyo Institute of
Technology

RESEARCH INTEREST CHORD DIAGRAM



GROUP OF EXPERTISE



HTCA-UD (History, Theory, Conservation in Architecture and Urban Design)

HTCA-UD is an expertise group which explores issues of architecture history and theory as well as urban design. The research focuses of HTCA-UD are building conservation; urban/rural conservation; cultural landscape; history and theory in architecture; and urban design. The research varies in scale, from a single building scale to urban scale.

Head Coordinator Members

Dr. Ir. Dwita Hadi Rahmi, M.A.

- Dr. Ir. Laretna Trisnantari Adishakti, M.Arch.
- Ir. Ikaputra, M.Eng., Ph.D.
- Dyah Titisari Widyastuti, ST., MUDD.
- Dimas Wihardyanto, ST., MT.
- Alyas Abibawa Widita, ST.
- Ir. Ismudiyanto, MS.
- Ir. Slamet Sudibyo, MT.

Main Research Area

- Building Conservation
- Urban/Rural Conservation
- Cultural Landscape
- History and Theory in Architecture
- Urban Design

Selected Projects

- Changes and Sustainability in Bantaya Vernacular Architecture in Central Sulawesi.
- Management of Disaster Risk Reduction in Heritage Architecture. Case Study: Yogyakarta after the earthquake.
- After Earthquake Conservation in Heritage Area Kotagede Yogyakarta.
- World Heritage City Conservation in George Town, Penang, Malaysia.
- Study on Infill Design in Heritage District. Case Study: Surabaya.
- Conservation District For Groups of Historic Buildings in Relation to The Community Benefit in Indonesia and Japan. Case Studies: Yogyakarta and Kyoto
- Cultural Landscape of the Villages around World Cultural Heritage Candi Borobudur, Jawa Tengah.
- Borobudur Cultural Landscape: Society's Role in its Conservation.
- Heritage Cultural Landscape to Strengthen Local Culture and Economy: 'Pathok Negara' Area Conservation in framework of Yogyakarta's Speciality.
- Heritage Cultural Landcape Sustainability in Bali Traditional Villages
- Linear Cluster Formation in Tradition Settlement in Heritage City, Kotagede.



Architecture Design

The architecture design expertise group explores issues on architecture design. The research focuses of the group are culture; environmental behavior studies; and architecture design. The research varies in scale, from a single building to a group of buildings, such as *kampung*.

Head Coordinator Members

Prof. Ir. T. Yoyok Wahyu Subroto, M.Eng., Ph.D.

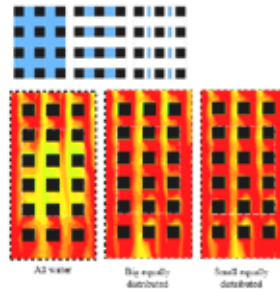
- Prof. Ir. Wiendu Nuryanti, M.Arch., Ph.D.
- Diananta Pramitasari, ST., M.Eng., Ph.D.
- Syam Rachma Marcilia, ST., M.Eng., Ph.D.
- Ir. Adi Utomo Hatmoko, M.Arch.
- Labdo Pranowo, ST. M.Sc.
- Harry Kurniawan, ST., M.Sc.
- Kurnia Widiastuti, ST., MT.
- Odilia Renangningtyas Manifesty, S.T., MAUD.
- Mario Lodeweik Lionar, ST. M.Sc.
- Kadek Indira Diah Kardina, S.T., M.T.
- Ir. Ahmad Saifullah Malangjudo, MS.
- Dr. Ir. Djoko Wijono, M.Arch.

Main Research Area

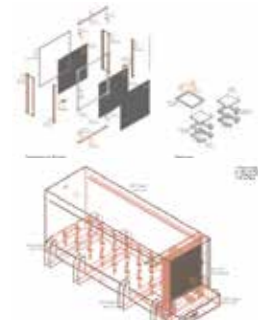
- Architecture and Culture
- Architecture and Environmental Behaviour Studies
- Architecture Design

Selected Projects

- The concept of Ka'bani-Mawinne In Sumba Traditional House Architecture in Kampung Tarung Sumba Barat
- Village Settlement Setting System of Timbrah Village, Karangasem Sub-district, Karangasem District, Bali
- Spatial Setting on Bawomataluo, South Nias
- Between Two Gates: the Remarkable Row Traditional Houses in Kotagede, Yogyakarta, Indonesia
- Spatial Setting Pattern of Community Settlements Batik Craftsmen, Wukirsari Village, Imogiri District, Bantul Regency, Yogyakarta
- Strategy for Coastal Area Development through the Decriminalization of Public Spaces
- The Principle of Spatial Setting of Candi in Prambanan Compound
- East-West Axis of Traditional House: Recognizing Complexity in Pucung Village, Sangiran, Central Java
- Temporary Occupancy Evaluation of Merapi Eruption Victims Case Study: Temporary Shelter of Kuwang
- The Concept of Livability as a Base in Optimizing Public Space: Solo City Walk- Jalan Slamet Riyadi, Solo
- Setting 'Natah' System Patterns at Bali Resident Home On Limited Lands in Yogyakarta
- Tourism Village as a Strategy for the Betterment of Klipoh Community Living



viewing angle



Technology

The building technology expertise group explores issues of technology in architecture design. The research focuses of the group are structure and construction in architecture; building physics; green architecture and urban; and digital architecture. The research varies in scale, from a single building scale to urban scale.

Head Coordinator Members

Dr. Ir. Arif Kusumawanto, MT., IAI.

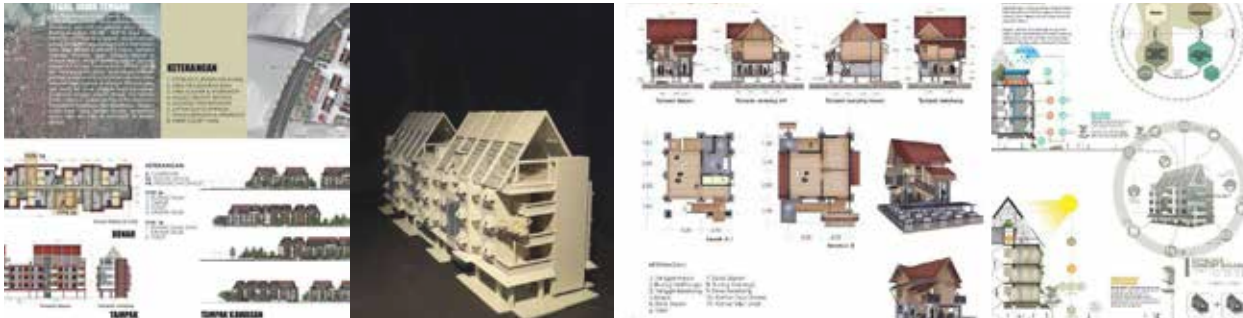
- Dr. Ing. Ir. Eugenius Pradipto
- Ir. Jatmika Adi Suryabrata, M.Sc., Ph.D.
- Ir. Soeleman Saragih, MT.
- Ir. Medy Krisnany Samedyastoety, M.Arch.
- Dr. Eng. Agus Hariyadi, ST., M.Sc.
- Dr. Eng. Nedyomukti Imam Syafii, ST., M.Sc.
- Maria Ariadne Dewi Wulansari, S.T., M.T.
- Nabila Afif, S.T., M.Arch.
- Alexander Rani Suryandono, ST., M.Arch.
- Ir. Moch. Santosa, MS.

Main Research Area

- Structure and Construction in Architecture
- Building Physics
- Green Architecture
- Digital Architecture

Selected Projects

- Book of Green Architecture In City Innovation
- Patent of Reinforced and Transparent Brick
- Patent of Bamboo Sirap Block
- Patent of Umpak Berongga
- Bantul Emergency Bamboo Church
- Sudirmo Bamboo Temporary Shelter
- Coconut Wood Knock-down House Design
- Steel Knock-down House Design
- Benefit of LEED Implementation on The Pemda Boyolali New Office Area Masterplan
- Master Plan Consolidation of "Jonggol Zero Waste Islamic City" 'Within Life Cycle Analysis
- Innovation of National Welfare Fulfillment Policy on Housing
- Influence Konblok On Open Space Local Micro Case Against Climate Studies Faculty of Engineering UGM Complex
- Acoustic Space Materials Engineering in Building Design Case Study: Residential Neighborhood Airport Yogyakarta Adisutjipto
- Engineering of Acoustic Material Space in Building Design Case Study: Housing
- Comfort Comparison Study on Office Colonial Building and Modern Office Today
- The Analysis of Visual Comfort in Workspace



Human Settlement & Housing Design

The building technology expertise group explores issues of human settlement and housing in architecture design. The research focuses of the group are human and settlement; sustainable architecture and urbanism; and social housing. The research varies in scale, from a single building scale to urban scale.

Head Coordinator
Members

- Prof. Ir. Atyanto Dharoko, M.Phil., Ph.D.**
- Dr. Eng. Ir. Ahmad Sarwadi, M.Eng.
 - Dr. Ir. Budi Prayitno, M.Eng.
 - Ardhya Nareswari, S.T, MT., Ph.D.

Main Research Area

- Human and Settlement
- Sustainable Architecture and Urbanism
- Social Housing

Selected Projects

- Patent of Innovative Scheme for Handling Slum
- Patent of *Jaminan Kesejahteraan Papan*
- Patent of *Penyediaan Tanah Untuk Kesejahteraan Papan*
- Conflicts Between The Economic Space and Natural Landscape
- Seeking the Cultural Landscape of Magelang

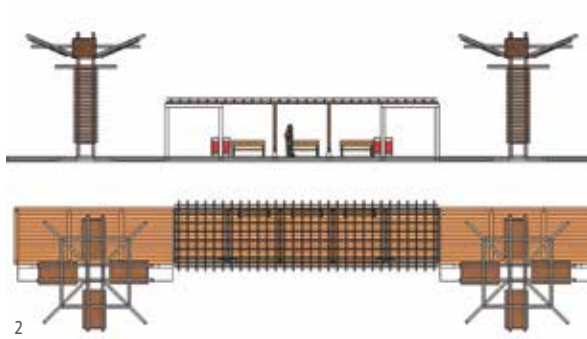
Selected Projects

- Paradox of Housing Desentralisation in Indonesia, Case
- Study of Palembang and Pekalongan City
- Scaling Multi Dimensional Approach for Evaluation of the Waduk Cirata Sustainability
- Market as 'Seduluran' (Fellowship) Room of the Javanese People
- Typology of Dayak Bukit Tribe Housing
- The New Paradigm of Housing Policy In the Era of Regional Autonomy
- Indonesia Slump Free 2020: Challenges and Roadmap
- Fibre,Flow,Float : Jakarta Green Metropolis 2050
- Room Layout and Access for Movement in Houses Inhabited By Elderly People in Yogyakarta's Urban Settlement, Indonesia
- Use of the Courtyard Area as a Productive Landscape In Urban Area
- Low-Impact-Development as an Implementation of the Eco-Green-Tourism Concept to Develop Kampung towards Sustainable City
- Hulu-Teben Concept in Traditional Settlement of Bali Mountains / Bali Aga in Indigenous Village of Bayung Gede Kintamani District of Bangli Regency, Bali Province
- Social Interaction of Nursing Homes Patients and Its Spatial Implications, Case studies: two nursing homes in Yogyakarta Indonesia

RESEARCH & ACTIVITIES GROUP

CUDD (CENTER FOR URBAN DESIGN AND DIFFABILITY)

CUDD or Center for Urban Design and Diffability is a research group in the Department of Architecture and Planning UGM which was established in 1992. CUDD puts special concern on people who have "diffability" (different ability) through community service and academic research projects. Some of their projects can be seen below.



4
image source: Ikaputra

Accessible Markets: Pasar Niten, Pasar Imogiri, and Gabusan Art Market

This art market complex project was developed with aims of promoting Bantul's economic development through local art and artist communities. The project, which was built on 4-acre land, was planned and designed by combining craft business, tourists and family needs and developed as new recreational attraction with local wisdom concept.

The development of Gabusan Art Market Community Plaza was divided into three stages. The first stage is the site and building development of the art market, which was done in November 2003 – April 2004. The second stage was the development of supporting facilities such as pools, bird area, main entrance gate, aqua technopark, and floating restaurant. The third stage was the community plaza. The idea was to create an open space where the community could publicly give their art appreciation, from "spontaneous art" expression, mural, and stage performance, to sculpture and other forms of art.

Several facilities in this community plaza include front community plaza, art shop-house community plaza (open-air stage), art corridor (art gallery and graffiti wall), and artist project showcases. Art shop-houses zone was built as the gateway-attraction of visitors. The shop-houses were designed with the following aspects in mind: sustainable sense of belonging; community art space; quantum exchange; and economic, ethical, and contextual response.

NOTE

- 1,2. Accessible Markets: Pasar Niten,
Pasar Imogiri, Gabusan Market
- 4,5. Waisai Eco-Beach City of Raja Ampat
- 3,6. Accessible River Front Public Housing
Gemawang

Designing for Waisai Eco-Beach City of Raja Ampat

Raja Ampat is a world class tourist destination with a powerful attraction relying on its preserved nature. Despite being a world class tourist destination, Waisai, the capital city of Raja Ampat is never heard of. Based on the 3A principle, development is focused on access and amenity. The development of access would connect Waisai externally through airports and docks and internally through interconnected BRTs within the city. Amenities would also be developed as a means of facilities to support the tourism activity.

Accessible River Front Public Housing Gemawang

Located on the riverside, Gemawang is considered as a high-density area mostly inhabited by underprivileged people. The concept of “Riverfront Housing” was then chosen as a leverage for the residents’ condition. Due to its position as a kampung, the social interaction and specific traditional values were also considered in the design development. The concept of Public Housing in Gemawang was 3M: Madhep Kali (Facing the River), facing the houses’ orientation towards the river to raise awareness for a clean, healthy, productive, and environmental-friendly river; Mundur (Stepping Back), creating a spatial clearance between the public housing and the river in the form of a ‘riverside- border’, which also acts as an environmental and biological diversity corridor; and Munggah (Rising), relocating the houses to a higher land to improve the housing quality to be healthier and more user- and environmentally-friendly.

CHC (CENTER FOR HERITAGE CONSERVATION)

The discourse of natural and cultural heritage conservation in Indonesia, as well as in the Southeast Asia region, is still in the preliminary period. On the other side, programs focusing in this domain are also very rare, with offered courses in heritage conservation still offered as optional courses. Based on these condition, the Center for Heritage Conservation, which was established in 1998, was dedicated as a progressive think tank for architecture and urban heritage conservation. Some of their projects can be seen below.



Borobudur Field School

Borobudur Field School is a unique program where participants would learn about heritage conservation with Borobudur and/or the villages around it as the study object. The program was first held in 2004, and continued in 2005, 2006, 2007, 2012, 2013, and 2016 with different focuses each year. The participants were divided into groups and assigned to analyze heritage conservation condition in various areas.

Managing Heritage Cities in Asia and Europe: the Role of Public-Private Partnerships

This event was a public forum and experts meeting where 25 experts from 11 ASEM (Asia-Europe Meeting) member countries gathered at in Yogyakarta (12 to 14 July 2012) to discuss the theme of “Managing Heritage Cities in Asia and Europe: The Role of Public-Private Partnerships (PPP)”. During the three-days meeting in Yogyakarta, the experts prepared a series of recommendations to be given to the ASEM Culture Ministers. The Public Forum (12 July 2012) was attended by more than 150 people. In the forum, the participating experts interacted with representatives from local NGOs and Indonesian government agencies as well as faculty members and students from Universitas Gadjah Mada.

NOTE

- 1,4. Borobudur Field School
2. Managing Heritage Cities in Asia and Europe
3. Reviving Imogiri Folk Batik Yogyakarta Indonesia
- 5,6. Center of Heritage Movement UGM (Omah UGM) at Kotagede

Heritage Education in Primary Schools in Indonesia

This project aimed to increase Indonesian children's awareness of the rich variety of heritage that surrounds them, so they could better appreciate them. It was expected that the next generations would look at transferring the knowledge of heritage as a shared responsibility. The project wanted to provide a new perspective to children that heritage is fun to learn about, with tools which could be used in many different ways for education in general and elementary schools in particular. Within 2 years, a comprehensive program had been organized, which began with the development of a manual concerning heritage education for teachers.

Heritage Map on Losari Coffee Plantation Railway Track: Semarang Old Town

The railway route along Losari Village to Semarang Old Town was actually rich in heritage, yet most of them was unknown. As a preliminary effort to conserve the heritages of this area, a cultural landscape, natural and cultural heritage distribution mapping was needed, which would reveal the heritages' existence and their link with one another. The result of this project was a "Heritage Map" which could be used as means of documentation, tourist guide, development of future natural-cultural heritage tourism planning, educational souvenir, and accelerating the growth of tourism industry in Central Java.

DORXLAB (DIGITAL OBJET ORIENTED RESEARCH AND EXPERIMENT LABORATORY)

Dorxlab is a focus-study group with research interest in digital design innovation, which was established in 2012 in the Department of Architecture and Planning, Universitas Gadjah Mada. Some of its activities can be seen below.



Parametric Architecture Summer Workshop

Parametric Architecture Summer Workshop was held on August 10-12, 2018 with a total of 16 participants (all seat reserved with 100% attendances). The participants were grouped into 5 teams of 3-4 people and 1 tutor was assigned to each team. There were two main parametric structural logics (waffle structure and Voronoi) and two fabrication techniques (laser cutting and 3D printing) explored.

Innovation Products Technology Exhibition 4.0 by Faculty of Engineering UGM

Dorxlab participated in Innovation Products Technology Exhibition on November 27-28, 2018 as the representative of the Department of Architecture and Planning. This exhibition was held to show the development of engineering with the latest technology development. In this exhibition, Dorxlab showcased the Active-Joint System by Zaqi Fathis which won the 1st place in Design Competition for Innovative Wood Joint System 2017, Parametric Chair by Parametric Summer Workshop 2018 participants, and Luminous Hexaball by students from Parametric Design course in 2018.

File to Factory

File to Factory #1 was a 3-days workshop and exhibition which was held in March 2013 in collaboration with HONFabLab. The event began with an introduction to digital design, parametric, and fabrication, and followed by a workshop which took place at HONFabLab workshop area in Yogyakarta. On the last day of the workshop, an exhibition was held at Department of Architecture and Planning Universitas Gadjah Mada. On October 2013, Dorxlab held File to Factory #2 as the continuation of File to Factory #1.

NOTE

- 1,4. Parametric Architecture
Summer Workshop
- 2,5. Innovation Products Technology
Exhibition 0.4
- 3,6. File to Factory

ARCHITECTURE FOR HUMANITY

INTRODUCTION

Indonesia is a country that is prone to disasters, especially natural disasters. Architecture for Humanity is a form of contribution from the Architecture Study Program to Indonesia which expected to help restore the condition of the affected area. There are several activities that have been carried out by the Architectural Study Program. Nevertheless, the activities that have been carried out so far have not only been carried out in the form of post-disaster activities related to recovery but also in the form of community-based disaster preparedness education to help the community to build a more resilient society. Some of the activities that have been carried out include:

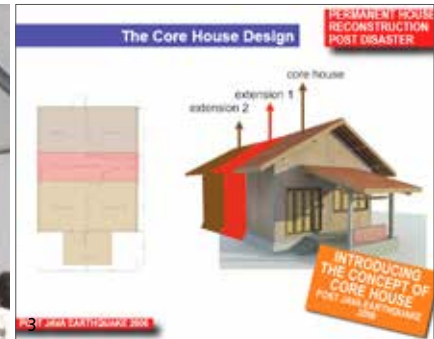


image source: Ikaputra

2004 Aceh Tsunami

On December 26, 2006, a magnitude 9.1–9.3 earthquake with the epicenter of about 160km off the west coast of Sumatra Island, Indonesia, caused a monstrous tsunami a few hours later. The tsunami claimed 230,000-280,000 lives in 14 countries, with Indonesia, Sri Lanka, India, and Thailand being the most affected countries. In response to this disaster, UGM sought to help with post-disaster rehabilitation under the program “Aceh Bangkit” (Aceh Rising). Due to a large number of people who lost their houses, the Architecture Study Program provided assistance by designing a number of simple residential models for them. A 1:1 model was also built at the Department of Architecture and Planning campus to simulate the real scale of the proposed alternatives. The design workshop lasted for about one from January to December 2005.

2006 Yogyakarta Earthquake

The 5.9 magnitude earthquake which struck Yogyakarta, Indonesia on May 27, 2006, was strong enough to also be felt in various areas around Yogyakarta such as Solo, Semarang, Purworejo, Kebumen, and Banyumas. Hundreds of thousands of buildings collapsed, electrical and communication infrastructure was damaged, the Adisutjipto Airport was closed, and thousands of casualties were impacted by the earthquake. In response to the disaster happening in its own grounds, UGM maximized its contribution efforts especially through a program by Architecture Study Program named “Jogja ArQUICKtecture Response (JAR)”. The main objective of the program was encouraging and accelerating the recovery of affected areas. Almost all lecturers in the Architecture Study Program were involved in the program, with varying approaches

NOTE

1. Transitional Shelter Effort for Post Lombok Earthquake
2. Workshop & Training for T-Shelter Construction for Post Yogyakarta Earthquake
3. Introducing The Concept of Core House for Post Yogyakarta Earthquake
4. Education for Disaster Risk Reduction
5. Portable Toilet for Post Mount Merapi Eruption
6. T-Shelter Construction for Post Aceh Tsunami

for different impacted sectors ranging from infrastructure, economics, trauma healing, and tourism. Yogyakarta finally got back on its feet in February – March 2008, less than a year from the earthquake. Due to the massive scale of the program, a large amount of knowledge could be extracted, resulting in a special focus on post-disaster researches in the study program that is still active today.

2010 Mount Merapi Eruption

Mount Merapi of Yogyakarta, Indonesia is one of the most active volcanoes in the world. On October 27, 2010, the biggest eruption of the mountain ever recorded in history occurred. The eruption claimed the lives of many local residents around the mountain in the province of Yogyakarta and Central Java and caused even more of them to lose their house and livelihood. In order to help the area recovers after the disaster, the Architecture Study Program team consisting of lecturers and students (undergraduate & postgraduate) involved themselves in various activities, including location observation and preparation and design of a memorial museum. In relation to the on-site experience, the study program's involvement was extended to the classrooms by offering the 'Mount Merapi post-disaster' theme in the thematic studio courses to improve students' awareness on the theme.

2018 Lombok Earthquake

The earthquake in Lombok which happened on July 29, 2018, with a magnitude of 6.4 caused 20 deaths, 401 injuries, and at least 10,062 damaged properties. The aftershock on August 5 with a bigger magnitude of 7 resulted in 259 deaths, 1,033 serious injuries, and displacement of hundreds of thousands of people. A third

earthquake followed on August 19 with a magnitude of 6.5. In response of the disaster, the Architecture Study Program together with the disaster response team of the Faculty of Engineering worked together to rebuild the affected area by building simple houses using the Core House concept. With this concept, the residents will be able to develop their homes according to their individual needs. In addition, the Architecture Study Program also helped design other vital buildings such as schools using the Core House structure and construction as a reference. In its implementation, this activity involved students who were sent to carry out KKN in the affected areas.

2018 Palu Earthquake

The 7.7 magnitude earthquake struck the northern island of Sulawesi on September 28, 2018. The earthquake not only triggered a tsunami that hit the city of Palu alone, but also resulted in liquefaction which claimed many lives with a total death toll of thousands and damaged tens of thousands of houses, replacing hundreds of thousands in the process. In contrast to other cases, due to unstable land conditions in Palu which needed thorough assessment, the Architecture Study Program was not able to carry out immediate assistance in the form of house design or construction. On the other hand, the Architecture Study Program's contribution efforts was made in the field of education, by offering opportunities for impacted students whose education process have been stalled for several months to attend sit-in programs at the UGM Architecture Study Program. With the existence of students from Palu, the Architecture Study Program also carried out public facilities design for Palu, together with studio activities.



Course exhibition at Department of Architecture and Planning Hall



64
Architecture Studio for Undergraduate Program



Student Participation in Student Exchange Research Program 2018 at University of Kitakyushu

STUDENT FACILITIES

To support students' academic activities, the Department of Architecture and Planning is equipped with architecture design studios, classrooms, a computer lab with printing and scanning facility, 3D-printing and laser cutting machine, photocopy machine, architecture library, and academic support staffs.

Students can also utilize the hall, the inner court, Tedjo Suminto pavilions, canteen, food court, KMTA (Keluarga Mahasiswa Teknik Arsitektur/Architecture Students' Association) House, Aceh House, Mushola, parking area, and more facilities. Other facilities can be found throughout the Faculty of Engineering and the university complex.

<http://www.architecture.archiplan.ft.ugm.ac.id>

CAMPUS LIFE

The Architecture Study Program facilitates numerous organizations and activities to improve both of the students' academic and non-academic skills. Some on-campus research laboratories are open for students, such as Dorxlab and CUDD. In addition, summer schools are also frequently held in the study program to explore wider themes in architecture beyond classroom teachings that often done by collaborating with other universities. Students can also train their leadership and teamwork skill, as well as creativity by joining KMTA (Architecture Student Union) or the annual student-led architecture exhibition called Wiswakharman Expo (WEX). Moreover, other student organizations such as Architrip bike club, Mahamantri Dance Studio, BMW (Bengkel Musik Wiswakharman/Wiswakharman Music Workshop), L'VOA student choir, Red Percussion, and SKI Al-Banna (Islamic Students Club) are also popular among students.

<http://www.architecture.archiplan.ft.ugm.ac.id>

STUDENT ACADEMIC ADVISORS

Student Academic Advisor is a facility provided by the campus where the lecturer appointed by the campus is responsible for guiding undergraduate students from their first year until graduate. Each Student Academic Advisor will be responsible for around 15 students. The lecturers who appointed as Student Academic Advisor can differ every year.

<http://architecture.archiplan.ugm.ac.id/Dosen-Pembimbing-Akademik/OTI%3D>

STUDENTS ACHIEVEMENTS

2019

- Annisa Rachmasari, Bernadeta Luna Paska R, Lana Annisa Dewi: Sepekan Arsitektur Lomba Desain National Mbangun Desa
- Muhammad Aziz Rosyadi, Hawwin Hudaya, Roselina Risang Sekar Limbangsari: Sepekan Arsitektur Lomba Desain National Mbangun Desa
- Reza, Fadhila Neuritasari, Dewinta Asyiya, Kevin Oscar, Qanita Qamarani: 2nd Place, FutureArc 2019
- Gilang Dwi Alridho, Nastasha Nurul Annisa, (satria): Merit Award for Professional Category BCI Asia Awards 2019, FutureArch 2019
- Reza, Fashila Neuritasari, Dewinta Asyiya, Hutomo Sudiharto: International Design Seminar, TU Delft
- Susanty, Nafi'a: UK-SERP Student Exchange Research Program 2018 at University of Kitakyushu (February 15th - March 1st)

2018

- Gilang Dwi Alridho: Bronze Award, Architecture Asia Young Designer Award Indonesia 2018
- Felicia Chandra: Honorary Mention, Architecture Asia Young Designer Award Indonesia
- Arie Pandi Pratama, Adelia Dwi Pangestu: Sayembara National Penataan Kawasan Lingkungan Permukiman Kecamatan Ngaglik, Sleman
- Amanda Pragita Setyaningrum, Madina Arifah, Monica Teresa Ken R.D., Raka Dian Saputra: Sayembara National Penataan Kawasan Lingkungan Permukiman Kecamatan Ngaglik, Sleman
- Amanda Pragita Setyaningrum, Monica Teresa Ken R.D., Raka Dian Saputra: Sayembara Redesain Dermaga Sanur, Warmadewa Architecture Weekend

- Audiza Nadelia, Madina Arifah, Monica Teresa Ken R.D.: STUCO Competition
- Fadhila Neuritasari Rahman, Reza Ahmed Dzu Hazhin 'Azheem Mulia, Dewinta Asyiva Sidiq: Beyond Artch Space Design Competition 2018, Kategori: Moveable Children Trauma Centre
- Tareq Kemal Akhidna, Gabriella Nora Faustina Bimantoro, Putri Khusna Millaty: Beyond Artch Space Design Competition 2018, Kategori: Moveable Children Trauma Centre
- Desta Fatika, Savira Azaria Andriani: Global Korea Scholarship (GKS) for ASEAN Science Engineering Student 2018 at Keimyung University (July 16th - August 17th)

2017

- Prabowo Hanifianto, M. Nu'man, Gilang Dwi A., Addwiko Laras N., Fathin Wismadi: Semi Final, CTBUH International Student Tall Building Design Competition
- Eka Pradhistya Prasidhanta & Anisa Yulia Rahmanita: 1st Place, Public Toilet Design Competetion by Ministry of Tourism RI
- Andi Setyawan: 2nd Place, Final Design Project Competition Arcasia
- Reza Ahmed D., Auliya H., Aisha Hasna, Nirma Ayuni: 4th Place, Indonesia Landscape Design Competition IPB
- Musyaffa Rifqi: 2nd Place, E(du)xpansion Point Archifun, Sayembara Desain Arsitektur DIY- Jateng, Universitas Muhammadiyah Surakarta
- Fitha Aulia: Chooosen Design, Desain Glamping (Glamorous Camping) Taman Wisata Candi Borobudur
- M. Nu'man Muttaqi: 2nd Place, Urban House International Design Competition, UK PETRA

- Gilang Dwi Alridho , Alan Saputra, Virginia , Eka Prasidhanta: Juara Bersama Gerbang Kota Salabenda, Juara Bersama Tugu Civitas Bogor, Big 3 Tugu Cinta Bogor, Big 3 Tugu Ciptanas Bogor - Sayembara Tugu & Gapura We Love Bogor
- Muhammad Nu'man Muttaqi, Gilang Dwi Alridho, Natasha Nurul Annisa: 2nd Place, Urban Housing Design Competition, Architecture Festival
- Annisa Nastiti, Vicky Ellisa: Juara Favorit, Redesain Rumah Ibadah yang Aksesibel untuk Semua, PUSTRAL UGM, DRIA MANUNGGAL, MARS UII
- Zefanya Dyah Kartika, Ferdinand Kurnia L: Top 5, Exporivm IDONESIA UKDW
- Musyaffa Rifqi Australasian: Participant, Student Architecture Congress, Sidney
- I Gusti Agung Made Yogiswara: Participant, World Study Abroad Program Tokyo
- Pita Asih Bakti: Presenter, 8th Internasional Conference on Environmental Engineering and Application (ICEEA) 2017, Italy
- Alya Ayu Lintang: Participant, Introducing and Demonstrating Earthquake Engineering in School (IDEERS) Competition 2017, Taiwan (September 18th - 25th)
- Natasha Nurul Annisa, Vinasthika Maghfiram: Global Korea Scholarship (GKS) for ASEAN Science Engineering Student 2018 at Keimyung University (July 10th - August 11th)

KMTA

KMTA (Keluarga Mahasiswa Teknik Arsitektur) was found in 1963, a year after the Architecture Study Program was established, and is aimed towards helping students improve their soft skills. KMTA also acts as a link between the students and the department. Several events as described below are regularly organized by KMTA.

— <http://www.architecture.archiplan.ugm.ac.id>



The members of Keluarga Mahasiswa Teknik Arsitektur (KMTA) for 2018/2019

INFODAY

Info Day is held annually at the beginning of every academic year to introduce Department of Architecture and Planning to new architecture students. KMTA staffs will guide students through the campus and explain general information regarding student life.



Welcome Games

A sports festival called 'Welcome Games' is also held to welcome new students. Students of different years compete against each other in various sports for a prize. The festival is closed by an awarding night in which students can get to know each other.



Architalk

Architalk is a discussion forum for architecture students which invites speakers of varying experience and discusses different topics in academic and professional scope. Internship, architecture competition tips, study abroad and study exchange experiences, and new trends in architecture are among regular topics discussed in the forum.



Architrip

Architrip is 5-7 days excursion to architecture destinations and landmarks in other Indonesian cities, which includes visits to architecture firms and architecture study program of other universities and an exchange of ideas and perspectives.



Upgrading

'Upgrading' is 2-days 1-night gathering for new KMTA staffs in an academic year to enhance their organizational skills and sense of belonging in the organization. Former staffs usually join the gathering to share their experience and discuss ideas for KMTA's improvement.



KMTA's Anniversary

KMTA's anniversary is celebrated both by students and academic staff. A special event is organized, in which staffs and students collaborate on stage performances and enjoy the time together.



Other Activities

Besides the activities above, KMTA also organizes many other academic and non-academic events for students and staffs. Some other activities handled by KMTA are visitations from other universities, Pesta Ganendra, sport trainings for the university sports festival, etc. KMTA also publishes an architecture magazine called Étude.



WISWAKHARMAN EXPO

WEX is the first annual exhibition in Yogyakarta where architecture can be celebrated by everyone. The exhibition is organized annually by KMTA and takes place in various landmark in the city. The exhibition has been held since 2010 with different grand themes each year. The exhibition contents are mainly in the form of students' designs from KKA (Kuliah Kerja Arsitektur/Architecture Practice Studies) course. In addition, works from other courses and activities are also exhibited, along with collaborations with artists and professional from other related fields. Previously held WEX exhibitions and themes from 2010-2018 are explained below.

— <http://www.wiswakharmanexpo.com>

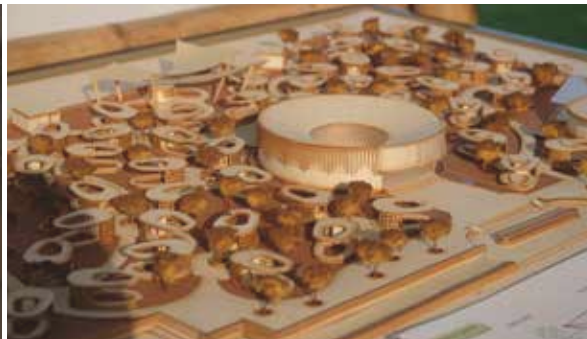


Wiswakharman Expo 2017: Ternyata Jogja

2019 Ruang Yang Terlewat

Indonesia is a country that rich in tourism potential. Its nature that has a myriad of hidden beauty, as well as its diverse culture that contains many meanings and philosophies are the main attraction for this country's tourism.

Wiswakharman Expo 2019 was held with the hope to encourage us to be more explorative in developing Indonesia's potential tourist attractions through architectural exhibitions, which contain various interesting architectural works as well as interactive installations.



2018
Jogja Berhati-hati

As a city located between the Indian Ocean at the south and a volcano called Merapi at the north, Special Region of Yogyakarta is highly prone to natural disasters such as tsunami, volcanic eruption, or earthquake. In 2018, "Disaster Mitigation" became the exhibition's grand theme to raise societies' awareness towards disaster mitigation, in the form of architecture designs during phases of disaster mitigation (pre-disaster, during a disaster, post-disaster).



2017 Ternyata Jogja

Identity of a city is a combination of the city's characters that is unique and sometimes abstract. In architecture, a city's identity can be seen in the forms and spaces that includes various aspects such as visual and social activities. Special Region of Yogyakarta is known as the city of education, heritage, and tourism, but the image of the city can be more personal for every person depending on their own experiences. The city's rapid development makes a lot of people feel Yogyakarta's identity is starting to fade away. In WEX 2017, the students tried to rediscover Yogyakarta's identity through architecture and adjust it with the progression of globalism.



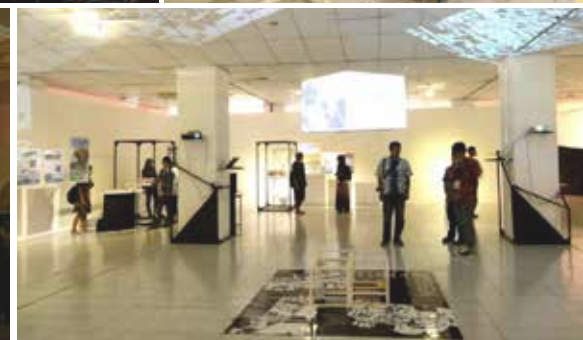
2016 Jogja Mencari Ruang

A significant growth of human population causes a rapid increase in land demand for human needs, from housing to transportations. In WEX 2016, this issue was raised under the grand theme "Jogja Mencari Ruang" or "Jogja, in Search for Space" which explored possible solutions for land use alternative, including sky villages and sub-terrain settlements.



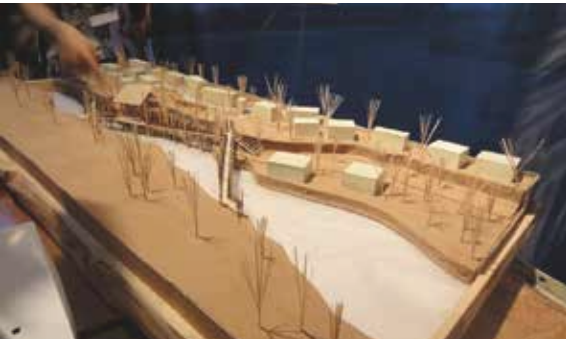
2015 Live The Future, Live The Culture

As technology continues to advance in many aspects of human life, architecture can also benefit from it. Through the grand theme of “Live the Future, Live the Culture” as the theme, this exhibition shows how architecture can utilize technology without leaving out cultural values in Yogyakarta.



2014 Membiasakan Diri, Membangun Esok

Doing something small for the environment means a start of a better future. In WEX 2014, environment-friendly solutions was applied in architecture to raise societies' awareness towards a better city and future. Through this exhibition, the students tried to persuade people to start doing something for their mutual environment.



2013
Ruang Empati untuk Jogja

This exhibition recognized that people of Yogyakarta needed more space to live and interact. Various kind of spaces was made for the people. This exhibition was held at the Vredenburg Fort for 3 days.



2012
Jogja Untuk Masa Depan

The first Wiswakharman Expo took special concern to disasters, which happened frequently on that year. The exhibition presented architectural solutions to prevent casualties from a disaster, with the grand idea of building a human livelihood for the next 50 years.



COLLABORATION & SUMMER COURSE

2017: ARCH+ART

Arch+Art Summer Course 2017 was a 10 day-course held by Architecture Study Program UGM in the semester break to support the ability of students, which focuses on enriching participant's architectural vocabularies associated with aesthetics, art, and function. Therefore in 2017, summer course had a theme related to art and culture. The programs included several excursion and art workshop as well as meeting notable artists and architects in various places around Yogyakarta area.



2016: SSEAC CULTURAL INDUSTRY FIELD SCHOOL (UNIVERSITY OF SYDNEY)

15 Students of UGM Architecture and 19 students from Sydney University from various majors gathered around in Yogyakarta in February 2016, in a program sponsored by Sydney Southeast Asia Center which facilitates people who want to learn more about Southeast Asia countries. In 2 weeks, participants went to the lectures and excursions in effort to learn about the cultural industry in Yogyakarta, and performed researches on various cultural industries.



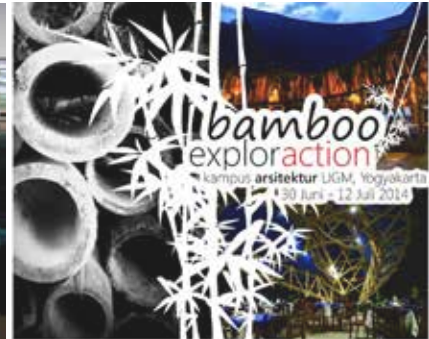
2014: BIO-REGIONAL APPROACH TO ARCHITECTURE (ADELAIDE UNIVERSITY)

In July 2014, students from Adelaide University and UGM Architecture held a collaborative studio themed "Bio-Regional Approach to Architecture". In the first week, the activity began with excursion study to some places in Yogyakarta, continued by group discussions and culminated in design proposals of a tourist information center.



2014: BAMBOO EXPLORATION (UNIVERSITY OF SYDNEY)

Considering bamboo as an eco-friendly alternative material, Bamboo Notion, Sydney University, and UGM held a collaborative bamboo workshop, curated in a Summer School program that includes Excursion Study to Bali and Hands-On Workshop in Yogyakarta. In 2 weeks (June 30 – July 13, 2014) about 70 students of Sydney University & UGM learned about bamboo and its properties, designed, and built bamboo installations at the Department of Architecture, which could still be visited to date.



STUDENT ADMISSION

HOW TO APPLY

All undergraduate students' admission is centrally organized by the university. The criteria, requirements and acceptance procedures are always improved every year, based on previous year's evaluation. Information for general undergraduate program student admission can be found in <http://um.ugm.ac.id>

For prospective professional program students, the requirements are as follows:

1. Holds a Bachelor of Architecture degree from Universitas Gadjah Mada
2. Has adequate English skills, proven by passing English qualification test by UGM (ACEPT) or other English qualification tests
3. Has a good track of architecture designs, proven by a portfolio of design works
4. Has a good track of activities, proven by a CV
5. Passes the program's entrance examination

REGISTRATION FEE

For undergraduate program, the fees are vary according to the type of entrance examination taken by prospective students. More information can be found in <http://um.ugm.ac.id>.

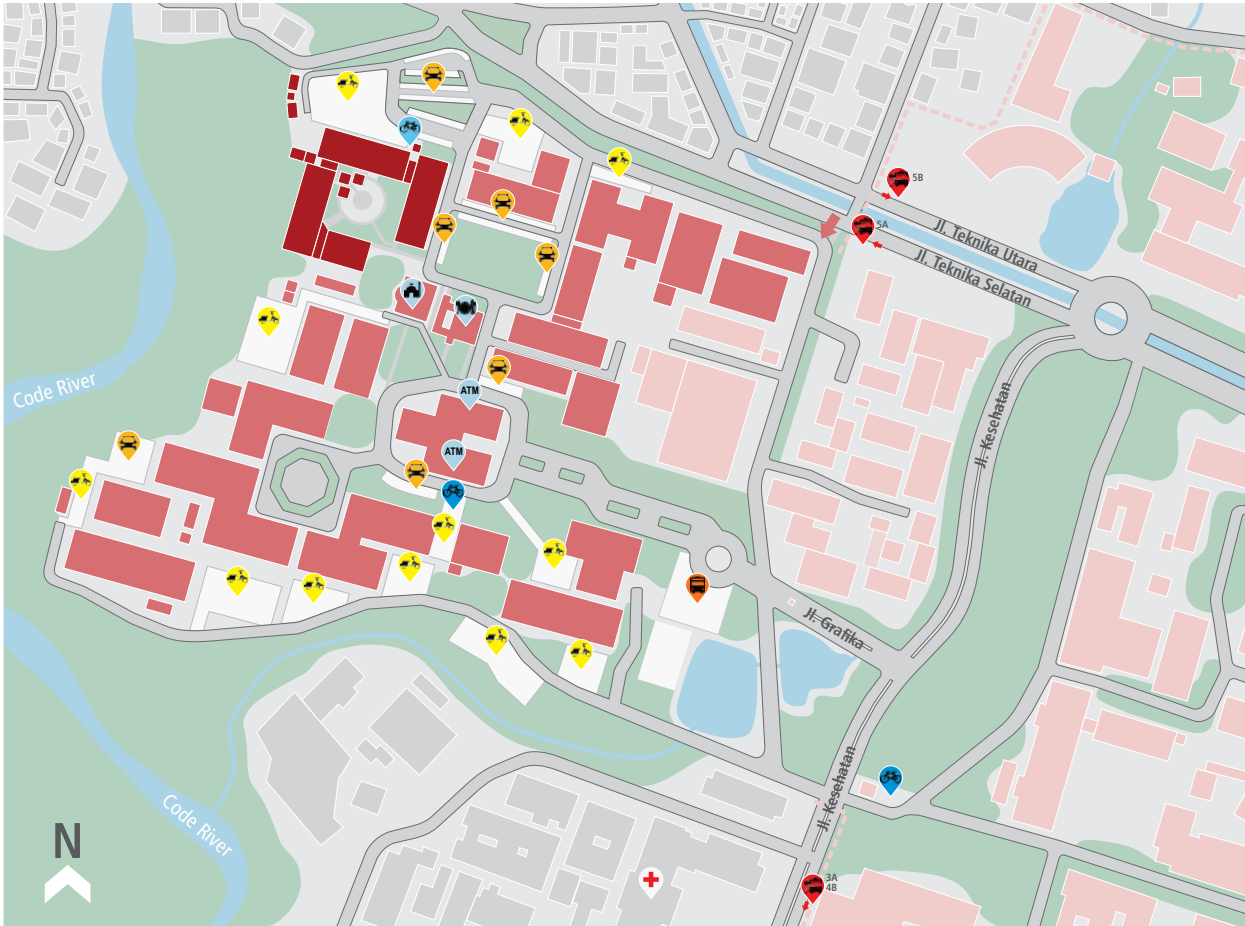
For professional program, there is no registration fee that need to be paid.

STUDENT FEE
















For undergraduate program, the fees are regulated through UKT (Uang Kuliah Tunggal/Single Tuition) Policy. More information can be found in <http://um.ugm.ac.id>.

For professional program, the fee is Rp 9.000.000,- per semester.

CAMPUS MAP



LEGEND :

 DEPARTMENT OF ARCHITECTURE AND PLANNING	 UNIVERSITAS GADJAH MADA	 MAIN ENTRANCE FOR VEHICLES	 MOTORCYCLE PARKING	 BUS PARKING	 PUBLIC BUS STOP (TRANS JOGJA)	 ATM CENTER	 FACULTY CAFETERIA
 FACULTY OF ENGINEERING	 NEIGHBORHOOD AREA	 ENTRANCE FOR PEDESTRIAN AND BIKES	 CAR PARKING	 PUBLIC BIKE PARKING	 CAMPUS BIKE PARKING	 FACULTY MOSQUE	 RSUD SARDJITO



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Universitas Gadjah Mada
Faculty of Engineering
Department of Architecture and Planning
Architecture Study Program
UGM Library

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<http://www.ft.ugm.ac.id>
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Research Group and Activities
Dorxlab
Center for Heritage Conservation
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<http://www.dorxlab.ft.ugm.ac.id>
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