in harmonia progressio
MESSAGE FROM THE DEAN

We now live in an environment that is increasingly built, as opposed to natural. The advancement of science and technology and the global expansion of industrial activities have a predominant role in shaping our built environment. In today life, the constructions of domestic and commercial buildings, production sites, tourism destinations and transportation infrastructures have constantly changed the shape of our cities and villages and influenced urban lifestyles and rural cultures.

All of this has brought about economic growth and social life improvement, but with some cost to pay. Industrially pushed regional transformation often comes with deterioration of environment and destruction of ecosystem. The rapid emergence of new economic development centers often come with marginalization of peripheral areas, and such condition creates socio-economic disparities. Ultimately, such situations become a threat to the sustainability of our life.

Sustainable built environment is now a common goal shared by all the world’s nations, even though each nation faces its own development challenges. Indonesia, a nation-state with high spatial diversity, faces the challenge of promoting socio-economic progress across the country and its borders, while at the same time restoring ecosystems and reducing carbon emissions.

The School of Architecture, Planning and Policy Development Institut Teknologi Bandung is committed to pursue the goal of realizing sustainable built environment by conducting academic teaching, research and community services. We pursue this goal by developing and disseminating architectural designs, urban and regional planning theories and methodologies, policy analyses and scenarios, and relevant work on inter-disciplinary studies. In the school, we nurture an environment that is suitable for learner-centered learning and encourage students to take part in variety of researches and community service activities.

In the 2016 prospectus, we provide the last two years of our engagements and contributions to the discussion on sustainable built environment. We believe that networking and collaboration are crucial to the success of this pursuit. Academic staffs of the school work closely with agents from various governmental institutions, players from private sectors as well as leaders of traditional communities. We also share our experience and exchange our knowledge with various agents at international arena, especially within the Asian regions. We organize regular international seminars as forums, in which our national and international colleagues/partners meet, share experience, exchange new ideas, and discuss programs for collective actions.

Last but not least, we would extend our sincere gratitude for your remarks and suggestions in exploring our 2016 prospectus that will undoubtedly enrich and nurture our insights in the creation of sustainable environment.

Yours sincerely,
Prof. Dr.-Ing. Ir. Widjaja Martokusumo
Dean
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Dean is taking a group picture with new students of School of Architecture, Planning, and Policy Development, (doc. SAPPD, 2016)
“Officially ITB was inaugurated by the first President of the Republic of Indonesia, Sukarno on March 2, 1959.”
The present Institut Teknologi Bandung (ITB) main campus is the site of earlier engineering schools in Indonesia. In 1920, Technische Hogeschool (TH) was founded in Bandung, which for a short time, in the mid-forties, became Kogyo Daigaku. Soon after the birth of the Republic of Indonesia in 1945, the campus housed the Engineering Faculty (including a Fine Arts Department) of Universitas Indonesia, with the head office in Jakarta. In the early fifties, Faculty of Mathematics and Natural Sciences, also part of Universitas Indonesia, was established on the campus. Although these institutions of higher learning had their own individual characteristics and missions, they left influence on developments leading to the establishment of the present ITB. Officially ITB was inaugurated by the first President of the Republic of Indonesia, Sukarno on March 2, 1959 as an institution of higher learning of science, technology, and fine arts, with a mission of education, research, and service to the community.

Until 2000 ITB was a state university, and then became a quasi-autonomous university from 2000-2010. Government Decree No.155/2000 pertaining to the Decision on ITB as Legal Enterprise (Badan Hukum) has opened a new path for ITB to become autonomous. The status of autonomy implies a freedom for the institution to manage its own business in an effective and efficient way, and to be fully responsible for the planning and implementation of all program and activity, and the quality control for the attainment of its institutional objective. The institution has also freedom in deciding its measures and taking calculated risks in facing tight competition and intense pressures.

From 2009-2010 ITB with the other six universities (Higher Education of State-owned Legal Entity-BHMN) turned into a Legal Body of Education (BHP). Following this, the so-called State University by Law (PTN BH) was respectively established, as enacted in the new Higher Education Law 12/2012. However, such dramatic institutional changes must still address several important issues, e.g. quality and development of higher education, widening access and equity, respecting diversity, enhancing autonomous and accountability that has become an essential part of today’s university. Although the status has become the State University by Law, the issues on accountability and autonomy are still becoming the challenging issues, and play absolutely an important role in the future of higher education institutions.

University is a house of learning, an agent of change and progress, an agent of social control, a conscience and the lighthouse for the nation, a producer of leaders...
The first batch of Urban and Regional Planning, and Architecture in 1959
(Doc. SAPPD-ITB)
The School of Architecture, Planning and Policy Development (SAPPD) encompasses seven main professional disciplines: architecture, urban and regional planning, urban design, transportation, development studies, tourism planning and landscape architecture. It aims to produce professionals in the sustainable built environment who are skilled in investigation, analysis, problem solving and communication, and are motivated to contribute significantly to the professional and community life.

In line with the Statute of ITB, the School of Architecture, Planning and Policy Development is entrusted with a task to nurture and develop scientific knowledge, conducive academic culture and community, and worldwide networks and initiatives.

Education is not preparation for life...
Education is life itself.

John Dewey
PROFILE

VISION

To be a leading educational and research institution in Asia, with excellent international reputation in the fields of planning, design and policy development of sustainable built environment.

MISSION

1. To contribute significantly to the creation and dissemination of scientific knowledge in the fields of planning, design and policy development of sustainable built environment, and to implement it appropriately and with excellence for the benefit of public welfare and sustainable environment, as well as for the improved capacity of institutions and supporting human resources at all scales, from the local to the national, through synergy of education, research and public service activities.

2. To develop educational programs in the fields of planning, design and policy development of sustainable built environment, which are able to nurture creative and critical thinking, as well as ethical and responsible attitudes to the graduates, who are expected to become professionals, entrepreneurs, leaders and agents of change in the society.

3. To foster academic endeavours and collaborative undertakings, with particular interest in the issues of: good governance; community based and participatory approach; local knowledge, culture and identity; harmonization of the global, the central and the local.

GUIDING VALUES

In achieving its vision and mission, the School of Architecture, Planning and Policy Development is committed to uphold the following values:

- Quality
- Ethics
- Equity
- Social Justice

and strongly abide by the following principles:

- Shared governance and collaboration
- Diversity, dignity, integrity

BODY OF KNOWLEDGE

The School of Architecture, Planning and Policy Development encompasses seven main professional disciplines: architecture, urban and regional planning, urban design, transportation, development studies, tourism planning and landscape architecture.

The School aims at producing professionals in the sustainable built environment who are skilled in investigation, analysis, problem solving and communication, and are motivated to contribute significantly to professional and community life.

Advances in scientific knowledge is systematically integrated into roadmaps of 9 research groups, comprising domains of policy development, planning and design of sustainable built environment, addressing institutional, infrastructure and spatial aspects at regional, rural, urban, human settlement and building scales.
Body of Knowledge The School of Architecture Planning and Policy Development
INTERNATIONALIZATION

Since 2005, Institut Teknologi Bandung has initiated its internationalization strategy in order to strengthen the international dimension of all programs. The past few years have seen the swift expansion of international cooperation with other universities abroad in education as well as research programs.

The School of Architecture, Planning and Policy Development has given a high priority to the internationalization of study program, motivated by the need for academic staff and students to acquire knowledge and competences that would assist them internationally. The School has extensive links and exchange agreements with a number of leading universities world wide. Our strategic partners abroad include:

- Germany: University of Applied Sciences Erfurt, Giessen University
- The Netherlands: The Royal University of Groningen, The University of Twente/ITC
- Canada: Toronto University
- Japan: Kobe University, Keio University, Ritsumeikan University, Yamaguchi University, Miyazaki University, Kitakyushu University, Tokyo Institute of Technology, Kyushu University, Shibaura Institute of Technology, Hiroshima University.
- USA: University of Florida, University of Hawaii, Manoa.
- Malaysia: University of Malaya, UiTM.
- Cebu: University San Carlos, College of Architecture & Fine Arts.
- Australia: Univ. of Melbourne, Univ. of Sydney.

Staff and students exchanges, international double degree master programs, collaborative studios and workshops etc. contribute to the international dimension of programs as well as the international qualifications of students. The School also maintains close links with the appropriate professional institutes in the country and abroad, each of which recognises academic qualifications awarded by the School.

They include:
- Ikatan Arsitek Indonesia (IAI), Asosiasi Pendidikan Tinggi Arsitektur Indonesia (APTARI), American Collegiate School of Architecture (ACSA), Ikatan Arsitek Lanskap Indonesia (IALI), Korea Architectural Accrediting Board (KAAB).
- Ikatan Ahli Perencanaan Indonesia (IAP), Indonesian Regional Science Association (IRSA), American Planning Association (APA), Asian Planning School Association, AEROPH, Canadian Institute of Planners (CPI)
Master Students of Urban Design of SAPPD-ITB are travelling to Australia for a joint studio workshop with Melbourne School of Design, University of Melbourne (Courtesy of MSD, 2015)
ACADEMIC PROGRAMS

School of Architecture, Planning and Policy Development offers a number of undergraduate and postgraduate degree programs relevant to the creation of new knowledge as well as to the national development challenges and demands of the society. The academic programs include:

- **Architecture**
  - Undergraduate
  - Master
  - Doctoral

- **Urban & Regional Planning**
  - Undergraduate
  - Master
  - Doctoral

- **Urban Design**
  - Master

- **Transportation**
  - Master
  - Doctoral

- **Development Studies**
  - Master

- **Tourism Planning**
  - Master

- **Landscape Architecture**
  - Master

INTERNATIONAL ACCREDITATION

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NATIONAL ACCREDITATION

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<td>Landscape Architecture</td>
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</table>
“Architecture can be viewed as an adaptive optimization of various normative values and external factors”

(courtesy of Harryndra, 2016)
Architecture as a built environment is developed for human needs as dictated by a cultured living. The fulfillment of physical and spiritual needs is then interpreted into space and formed by the architect. Through spatial design and form, the architect tries to create positive influence on the environment and people. In that sense architecture can be viewed as an adaptive optimization of various normative values and external factors, which continuously seek balance and final form. It is a process that requires creative, imaginative and innovative research and design, based on rational and empirical knowledge.

The architectural program at ITB was established in October 25th 1950. It envisions itself as a regional/southeast-asian hub for learning of tropical architecture and sustainable built environment in developing countries. The educational program is focused on the development of capacity to comprehend a wide range of issues required to answer the challenges that lie ahead in the field of architecture. Broad-based curriculum is introduced to catch up with the science of architecture that grows and develops in tandem with changes of human civilization and culture, science and technology, art and design.

The curriculum for undergraduate and graduate degree programs are developed as an integrated structure, taking into consideration the following aspects:

- The development of professions in field of architecture.
- The development of architecture as a scientific discipline.

The philosophic underpinning of curriculum are: Life-long Learning, Knowledge-based Learning, Student Centered Learning.

The Graduates of the program are expected to be professional, practicing architects and/or development practitioners who have wide knowledge in architectural design and built environment issues. Their levels of competence are stratified according to the degree awarded:

- Sarjana or Undergraduate degree program: Basic Knowledge and Competence
- Magister or Master degree program: Professional Knowledge and Competence
- Doctoral or PhD degree program: Knowledge Development and Dissemination through Scientific Publication
UNDERGRADUATE PROGRAM

Commencement semester: August
Duration: 8 semesters full-time, including 2 semesters of Common First Year program
Credit units: 144 minimum
Admission requirements: Invitation and written test; National university entrance examination
Degree Granted: Sarjana Teknik (equivalent to Bachelor Degree in USA)

PROGRAM OUTLINE
The architectural students are provided with basic knowledge and skills that prepare them to enter professional practices in the field of design, production and management of the built environment and/or to pursue advanced architectural training and education. The emphasis of undergraduate curriculum is on design of buildings, involving studies on aesthetic principles, building technology, history and theory, housing and human settlement. Architecture design studios as the core of undergraduate curriculum serve as laboratories for the exploration of analytical and creative reasoning, the critique of design solutions, and most importantly, the integration of different knowledge streams.

In January 2016, SAPPD ITB obtained international accreditation from the KAAB (Korea Architectural Accreditation Board). The professional degree in architecture program consists of four years of undergraduate program and one year (two semesters) of the graduate/master program. At ITB the professional degree is integrated with the master program.

CAREER OPPORTUNITIES
Students with a Sarjana Teknik Degree in Architecture may opt for careers in professional practices as architect’s assistant or other careers related to building design, construction, management and policy in government offices, developers, contractors, non-government organizations or freelance practitioners. Recent graduates are working in Indonesia and abroad.

PROFESSIONAL MEMBERSHIPS
Graduate of this degree may be eligible for membership, and after fulfillment of certain requirements, also registration with Indonesian Architects Association (Ikatan Arsitek Indonesia).

CURRICULUM
To maintain its standard of quality and compatibility at national as well as international levels, the undergraduate curriculum is designed with reference to levels of competence set up by:
- Union Internationale des Architectes (UIA) / UNESCO Charter for Architectural Education (April 1996)
- Korea Architectural Accrediting Board (KAAB)
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MASTER PROGRAM

Commencement semester: August  
Duration: 4 semesters full-time
Credit units: 36 minimum
Admission requirement: Bachelor degree in Architecture and other related fields, Academic Potential Test, English Proficiency Test, Interview. Additional portfolio of previous design works will be appreciated.
Degree Granted: Magister Teknik (equivalent to Master Degree)

PROGRAM OUTLINE
The Master Program in Architecture provides students with the opportunity to develop advanced knowledge and skills for professional practice in the public as well as private sectors and in academic domains. It allows students the opportunity for in-depth study in fields of architectural design and research. In January 2016, SAPPD ITB obtained international accreditation from KAAB (Korea Architectural Accreditation Board). The professional degree is integrated with the master program (Architectural Design).

CAREER OPPORTUNITIES
Graduates of this program are employed in a wide range of consultant offices, government and non-government organizations, as practitioners, managers, researchers and policy makers. Some graduates use this qualification as a basis for entering private practice.

PROFESSIONAL MEMBERSHIPS
Graduate of this degree may be eligible for membership, and after fulfillment of certain requirements, also registration with Indonesian Architects Association (Ikatan Arsitek Indonesia).

CURRICULUM
The curriculum for master degree program is differentiated into 2 (two) major fields of study:
- Architectural Design and
- Architectural Research.

ADDRESS
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Jl. Ganesa 10, Bandung 40132
Indonesia
(022) 2504962 (p)
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www.ar.itb.ac.id (w)
www.sps.itb.ac.id (w)
sekres2@ar.itb.ac.id (e)

Micro Housing workshop with the architects for the communities (Doc. Kusyala, 2016)
## STRUCTURE OF CURRICULUM

### MAJOR IN DESIGN

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<tr>
<th>SEMESTER III</th>
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<tbody>
<tr>
<td>AR6151 Architecture, Development and Culture of Indonesia 2</td>
<td>AR6099 Thesis 6</td>
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### MAJOR IN RESEARCH

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<td>AR5142 Data Analysis</td>
<td>3 AR5213 Architectural Theory and Criticism 2</td>
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### ELECTIVE COURSE

| AR5121 Architecture and Technology 2 | AR5211 Facility Programming 2 |
| AR5122 Digital Architecture 3       | AR5212 Professional Ethics 2  |
| AR6095 Independent Studies 2        | AR5231 Vernacular Architecture of Indonesia 2 |
| AR6112 Local Culture on Architectural Design 2 | AR5242 Built Environment Analysis 2 |
| AR6121 Bamboo Building Technology 2 | AR6054 Special Topic 2         |
| AR6131 World Contemporary Architecture 2 | AR6223 Project Economic Development 2 |
| AR6142 Design in the Context of Transformation 2 | AR6242 Built Environment Development Project 2 |
PhD PROGRAM

Commencement semester: August, January
Duration: 3-4 years full-time
Credit units: 43 minimum
Admission requirements: Master degree in Architecture and other related fields, Academic Potential Test, English Proficiency Test, Interview
Degree Granted: Doctor (equivalent to PhD Degree)

PROGRAM OUTLINE
The doctoral program offers a specialized academic endeavour in the fields of architectural design, building technology, housing and human settlement, and architectural history, theory and criticism. The objective of the program is to develop independent research skills and an ability to relate a specific research topic to a broad framework of knowledge in a relevant discipline area. Doctoral candidates develop capacity to formulate significant problem; to master appropriate conceptual and methodological skills; and to carry out an original program of research. Students will be assigned an academic supervision committee with whom they will work to pursue their research. All students are required to take a qualifying examination before initiating their research for doctoral dissertation. Students who have obtained the status of doctoral candidate and completed their dissertation must pass a final examination and have their dissertation approved by the examination committee.

CURRICULUM
Since 2013, the doctoral curriculum is divided into 4 (four) consecutive phases:

- First phase: courses (architectural research methodology, colloquium and qualifying or preparatory examination (14 credits)
- Second phase: proposal writing (3 sks)
  Students are required to have 12 months residence period in the campus and pass the qualifying examination.
- Third phase: research and dissertation writing (20 credits)
- Fourth phase: Dissertation examination (3 credits)
## STRUCTURE OF CURRICULUM

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<thead>
<tr>
<th>SEMESTER I</th>
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<td>AR7101  Architectural Colloquium</td>
<td>AR7299  Proposal Writing</td>
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<td>AR7102  Architectural Research Methodology</td>
<td>AR720x  Elective</td>
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<td>SD7101  The Philosophy of Science</td>
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<td>AR9295  Research and Progress Report IV</td>
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### ELECTIVES

| AR7201  Quantitative Data Analysis | 3 |
| AR7202  Qualitative Data Analysis | 3 |
“Urban and regional planners are required to be knowledgeable about the field and have professional skill pertaining to the allocation and spatial distribution of land uses and functions”

(courtesy of Soelaiman, 2016)
Urban and regional planning activities have been in constant development and are increasingly becoming more complex, covering not only the spatial or physical aspects of the sustainable built environment, but also multitude of non physical aspects involving various disciplines and stakeholders. Urban and regional planners are required to be knowledgeable about the field and have professional skill pertaining to the allocation and spatial distribution of land uses and functions required by society, devising and administering land zoning schemes, resolving conflicts between competing demands for land development, ensuring that housing and public facilities are well located and conveniently placed, and helping to decide which developments should proceed and which buildings or spaces should be preserved.

The undergraduate program in Urban and Regional Planning at ITB was established in September 1959, with initial help from experts from Harvard University under the auspices of the United Nations Technical Assistance Bureau (UNTAB). To keep up with the increasing need for specialized professional expertise, a master program in Urban and Regional Planning was established at ITB in August 1982 with technical assistance from the Development Planning Unit, University College London and the Department of Public Works. The establishment of a doctoral program in Urban and Regional Planning at ITB was then followed in 1986.

The Urban and Regional Planning Program at ITB is designed to become the key center for the theory and practice of urban and regional planning and policy in Indonesia. The program provides high quality of planning education, scholarly planning research, and best planning service for the public. The program educates students who wish to combine social concerns and analytical skills in dealing with the issues of urban & regional planning and policy in Indonesia.

Graduates of the program are expected to be professional, practicing planners and/or development practitioners who have wide knowledge in urban and regional planning issues. Their levels of competence are stratified according to the degree awarded:

- **Sarjana or Undergraduate degree program:** Basic competence for urban and regional planning activities with simple level of interaction and generic behaviour.
- **Magister or Master degree program:** Professional competence for urban and regional planning activities, including ability to carry out comprehensive study and develop problem solution, to raise an awareness of its implication for the society, and to communicate it in persuasive manner.
- **Doktor or PhD degree program:** Ability to conduct research independently, to develop knowledge in the field of urban and regional planning and to communicate and disseminate it through scientific publication.
UNDERGRADUATE PROGRAM

Commencement semester : August  
Duration : 8 semesters full-time,  
           including 2 semesters of Common First Year program  
Credit units : 144 minimum  
Admission requirements : invitation and written test; National university entrance examination  
Degree Granted : Sarjana Teknik  
                 (equivalent to Bachelor Degree in USA)

PROGRAM OUTLINE
The Sarjana or undergraduate program is designed to equip graduates with basic knowledge, skill and attitude required as planners, emphasizing on their ability to think in rational, analytical, comprehensive, strategic way, in order to develop best alternative solutions to the problem, which are technically justifiable, socially acceptable and morally responsible.

CAREER OPPORTUNITIES
Graduates with a Sarjana Teknik Degree in Urban and Regional Planning are qualified to work as planners for local and regional councils, government departments, planning consultancies, development companies, and non-government organizations.

PROFESSIONAL MEMBERSHIPS
Graduate of this degree may be eligible for membership with Indonesian Planners Association (Ikatan Ahli Perencana Indonesia) and ITB Alumni Association (Ikatan Alumni/ IA ITB).

CURRICULUM
To maintain its standard of quality and compatibility at national as well as international levels, the undergraduate curriculum is designed with reference to the levels of competence set up by:

- Planning Accreditation Board (PAB), an accrediting body for planning school recognized by the Council for Higher Education Accreditation (CHEA) in the United State
- Association of Collegiate Schools of Planning (ACSP)
# STRUCTURE OF CURRICULUM

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<td>PL3119 Site Planning Studio for Residential</td>
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Total Load: 18 credits

### ITB Core Courses

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<td>Pancasila and Nationality</td>
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### Core Courses by Topic

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<tr>
<td>Env.</td>
<td>Environment &amp; Natural Resources</td>
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<td>Env.</td>
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### Elective Courses

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<td>Special Topic in Planning I</td>
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<td>PL3011</td>
<td>Land Development</td>
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<td>PL3031</td>
<td>Infrastructure and Transportation Economics</td>
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<td>Introduction to Tourism Planning</td>
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<td>PL4002</td>
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<td>PL4003</td>
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<td>Participatory Planning</td>
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<td>Urban and Regional Innovation System</td>
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<td>PL4041</td>
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<tr>
<td>PL4042</td>
<td>Planning &amp; Politics</td>
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Ps: Mgt: Management, Env.: Environment
Training Program for government officials in Planning, using Distance learning facilities, (Doc. SAPPD, 2016)

Site Planning Studio (Doc. Maula, 2015)
COMMENCEMENT SEMESTER : August
Duration : Regular Program: 4 semesters full-time, can be completed in 18 months for intensive classes.
International Double Degree Program: 2 semesters full time at ITB plus 2 semesters full time at partner universities in the Netherlands, Japan, or the USA.
Credit units : 36 minimum
Admission requirements : Bachelor degree in Urban and Regional Planning and other related fields, Academic Potential Test, English Proficiency Test, Interview. Attendance in preparatory program prior to regular academic program is a requisite.

PROGRAM OUTLINE
The Magister Program in Urban and Regional Planning is designed to attain the following objectives:

• To train professional practitioners who are well equipped with up to date knowledge and analytical skill in the field of urban and regional planning.
• To develop the capacity of planners, development managers, and decision makers at the central, regional and local levels, and to build their ability to think in analytical, integrated and comprehensive way.
• To train academic practitioners who are conversant with planning theory, method, and synthesis, and accordingly ready to support and develop similar education program at other universities in Indonesia.
• To train researchers in the field of urban and regional planning, who excel in problem identification, research methodology, analysis and interpretation, and development of alternative solutions.

CAREER OPPORTUNITIES
Graduates of this program find employment in central, regional or local governments and development organizations in both the public and private sectors.

PROFESSIONAL MEMBERSHIPS
Graduates of this degree may be eligible for membership with Indonesian Planners Association (Ikatan Ahli Perencana Indonesia) and ITB Alumni Association (Ikatan Alumni/ IA ITB).
CURRICULUM
The curriculum for master degree program is differentiated into 2 (two) categories:
1. Regular program, delivered in Bahasa Indonesia, with 5 (five) specialized fields: Regional Development, Urban Planning, Urban Management, Infrastructure and Transportation System, and Disaster Mitigation.
2. International Double Degree program, delivered in English, with 2 (two) specialized fields:
   • Development Planning and Infrastructure Management, administered in collaboration with Royal University of Groningen / RUG and International Institute for geo-Information Science and Earth Observation / ITC in the Netherlands, and University of Florida, USA.
   • Regional Development and Policy Analysis, administered in collaboration with several universities in Japan, namely: Keio University, Ritsumeikan University (Engineering and Policy Science), Hiroshima University, Yamaguchi University, and Miyazaki University.

The international double degree program is designated for Bappenas sponsored students who are already engaged as planning officers at central, regional and local government institutions in Indonesia. However, individual students interested to participate in the program are also welcome. Students will spend the first year of their two years study period at ITB, and continue the second year at the relevant partner universities in the Netherlands or Japan. Upon completion of their studies and fulfillment of all academic requirements from both universities, the students will be granted two degrees, one from ITB (degree: Magister Teknik) and the other from relevant partner university in the Netherlands or Japan (degree: varied according to each university).
## STRUCTURE OF CURRICULUM

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### MAJOR IN REGIONAL DEVELOPMENT

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### MAJOR IN URBAN MANAGEMENT

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### MAJOR IN DISASTER MITIGATION PLANNING

#### SEMESTER I
- **PL5151** Introduction to Disaster Mitigation Planning 2
- **PL5105** Urban and Regional Planning 2

#### SEMESTER II
- **PL6002** Advance Special Topic in Planning 2
- **PL5251** Disaster Mitigation Planning Studio 4
- **PL6104** Spatial Econometrics 2
- **PL5252** Information and Geo-spatial Technology in Disaster Management 2
- **PL6105** Urban Public Finance 2

#### SEMESTER III
- **PL6106** Urban and Regional Planning Modeling 2
- **PL6151** Community based Adaptation and Disaster Mitigation 2
- **PL6107** Industrial Zone Planning 2
- **PL6153** Climate Change Adaptation and Policy 2
- **PL6108** Infrastructure of Industrial District 2

### DOUBLE DEGREE PROGRAM

#### SEMESTER I
- **PL5101** Advance Planning Methods 2
- **PL5102** Resource and Environment 3
- **PL5103** Spatial Economics 3
- **Elective Course 1** 2

#### SEMESTER II
- **PL5201** Advance Planning Theory 2
- **PL5202** Development Finance and Institution 3
- **PL5204** Planning Studio 4
- **Elective Course 2** 2
- **PL5203** Advance Research Methodology 3

#### SEMESTER III
- **PL6106** Urban Planning Modeling 2
- **PL6151** Community based Adaptation and Disaster Mitigation 2

#### SEMESTER IV
- **Elective Course 1** 2
- **PL6001** Thesis 6

#### TOTAL:
- **Total Load: 12 credits**
- **Total Load: 12 credits**
- **Total Load: 10 credits**
- **Total Load: 6 credits**
PhD PROGRAM

Commencement semester: August, January
Duration: 3-4 years full-time
Credit units: 40 minimum for students with similar academic background, and 52 minimum for students with different academic background
Admission requirements: Master degree in Urban and Regional Planning and other related fields, Academic Potential Test, English Proficiency Test, Interview.
Degree Granted: Doktor (equivalent to PhD Degree)

PROGRAM OUTLINE
The doctoral program offers a specialized academic endeavour in the fields of regional and rural planning, urban planning and design, regional and urban infrastructure system, and policy planning and development management. The objective of the program is to develop independent research skills and an ability to relate a specific research topic to a broad framework of knowledge in a relevant discipline area. Doctoral candidates develop a capacity to create knowledge and to communicate and disseminate it to the academic community and the general public.

Students will be assigned an academic supervision committee with whom they will work to pursue their research. All students are required to take a qualifying examination before initiating their research for doctoral dissertation. Students who have obtained the status of doctoral candidate and completed their dissertation must pass a final examination and have their dissertation approved by the examination committee.

CURRICULUM
Since 2013, the doctoral curriculum is divided into 4 (four) consecutive phases:
- First phase: research methodology, colloquium and qualifying or preparatory examination and additional elective courses (in total 14 credits for students with similar academic background, 26 credits for students with different academic background). Students are required to have 12 months residence period in the campus and pass the qualifying examination.
- Second phase: proposal writing (3 credits)
- Third phase: research and dissertation writing (20 credits)
- Fourth phase: Dissertation examination (3 credits)
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<thead>
<tr>
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<td>PL7004 Proposal Writing</td>
<td>PL8001 Research and Progress Report I</td>
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“Indonesia ultimately needs to develop its own urban design and development approaches, concepts and principles, which are based on and accordingly relevant to its own contexts and experiences.”

(courtesy of Kusyala, 2016)
Urban design as a distinct field began to gain attention in Indonesia at the end of 1980s and has expanded considerably since that time, in response to the needs for better urban design knowledge and skills for design professionals in general, and for government officers at local, regional and national planning boards in particular, to support the implementation of national policy on regional autonomy. More and more planning board officers nationwide are required to prepare and evaluate urban design policies, strategies, concepts, guidelines, master plans and development programs, as well as be involved in the detailed design and management of urban spaces, which demands better appreciation of urban structure and context.

Urban design approaches, concepts and principles learned from developed countries are not fully implementable to solve multitude problems that challenge Indonesia at present and in the future, due to great differences in socio cultural, political, economics and natural physical contexts. Indonesia ultimately needs to develop its own urban design and development approaches, concepts and principles, which are based on and accordingly relevant to its own contexts and experiences.

The initiative to establish a master degree program in Urban Design at ITB began in 1992, supported by a number of dedicated academic staff from Department of Urban and Regional Planning and Department of Architecture. It was not until February 2007 that the initiative could be fully realized. The Program introduces students to the fundamental theories, methods, and substantive content of urban design, and provides them with professional knowledge and skills through a series of urban design studio practice. Strong emphasis is given to the process of designing and creative contribution to the resolution of urban problems through design.
MASTER PROGRAM

Commencement semester : August
Duration : Regular Program : 4 semesters full-time, could be completed in
3 semesters by dedicated and hard working students.
Credit units : 36 minimum
Admission requirements : Bachelor degree in architecture, planning and other related fields,
Academic Potential Test,
English Proficiency Test, Interview.
Additional portfolio of previous design works will be appreciated.
Degree Granted : Magister Teknik (equivalent to Master Degree)

PROGRAM OUTLINE
The Magister program in Urban Design aims to produce skilled,
creative and professional urban designers who are able to
undertake decisions in urban design and development, to work in a
multidisciplinary team, to uphold ethical principles and sustainability of
the environment, and ready to compete in the global market.

CAREER OPPORTUNITIES
Graduates of this program occupy important positions in local, regional
and national planning boards, and private consulting companies.

PROFESSIONAL MEMBERSHIPS
So far, no specific professional association at national level is available
for the alumni of the program to register. Nevertheless, they are eligible
to join ITB Alumni Association (Ikatan Alumni/ IA ITB).

CURRICULUM
The curriculum is designed to equip the students with the capacity to
undertake innovative problem solving of urban issues through design;
and to comprehend and appreciate local characteristics as the basis
for an integrated and multidisciplinary approach to a humane urban
design and development concept. At its core are studio projects that
address emerging design issues and course subjects that cover
morphological, ecological, cultural, legal and other dimensions of
urbanism.

To maintain its standard of quality and compatibility at national as well
as international levels, the curriculum is designed with reference to
levels of competence set up by:

- Union Internationale des Architectes (UIA) / UNESCO Charter for
  Architectural Education (April 1996)
- Planning Accreditation Board (PAB)
## STRUCTURE OF CURRICULUM

### SEMESTER I
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<td>Urban Design Principles</td>
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<td>RK5112</td>
<td>Urban Design Methods</td>
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### CORE ELECTIVES
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<tr>
<td>RK6112</td>
<td>Urban Design Control</td>
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### ELECTIVES
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<td>RK5212</td>
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<td>RK5213</td>
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<td>PL6108</td>
<td>Infrastructure &amp; Transportation Planning</td>
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<tr>
<td>PL6122</td>
<td>Urban Land Management</td>
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“Development Studies focuses on the understanding of theories, normative principles, and strategies of development within a holistic framework.”

(courtesy of Kustiwan, 2016)
Development Studies is a multi-disciplinary field of study that deals with three aspects of development: theory, strategy and ideology. Development Studies at the School of Architecture, Planning and Policy Development ITB focuses on the understanding of theories, normative principles, and strategies of development within a holistic framework that takes into account aspects of economy, politics, socio-cultural, technology, humanity and sustainable environment. It endeavors to provide the state of the art in the field of development studies, to achieve academic excellence and to enhance its role in the development process of the Indonesian society.

The academic program is designed as such to enable participants with both ‘hard’ and ‘soft’ sciences background to attend and gain benefit from it. As such the Program is relevant for policy makers, public administrators, business persons and bankers, politicians, engineers, NGO staff, and researchers. The Program provides an academic environment that allows students from a multitude background to interact and exchange ideas as well as information with researchers from various centers at ITB.

The learning system is designed to response to development issues that exist in the society. Case study materials and contextual issues are discussed, and development actors are invited as guest lectures. Students are encouraged to investigate issues encountered in their immediate environment for further exploration through thesis work.
MASTER PROGRAM

Commencement semester : August
Duration : Regular Program : 4 semesters full-time, can be completed in 13 to 18 months for intensive classes.
Credit units : 36 minimum
Admission requirements : Bachelor degree in various fields, Academic Potential Test, English Proficiency Test, Interview.
Degree Granted : Magister Teknik (equivalent to Master Degree)

PROGRAM OUTLINE
Students of Development Studies program are taught to think critically, provided with analytical and modeling skills, and trained to develop strategy with futuristic orientation. Students are exposed to development issues from the multitude of perspectives and to formulate strategies that are realistic and ethical. Through class discussion and thesis supervision, students are guided to conduct synthesis of multidisciplinary sciences in order to answer development problems encountered in their working environment.

CAREER OPPORTUNITIES
More than 400 alumni of the programs are currently occupying prominent positions in the public and private sectors. Some of the graduates have gone on to undertake PhD program in the fields related to development studies such as governance studies, science & technology policy, social change, economics, and environment, within the country and abroad.

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Jl. Ganesa 10, Bandung
40132 Indonesia
(022) 2504625 (p) (022) 2500046 (f)
www.pmsp.itb.ac.id (w) spitb@sp.itb.ac.id (e)

PROFESSIONAL MEMBERSHIPS
So far, no specific professional association is available for the alumni of the program to register. However, they may be eligible for membership with ITB Alumni Association (Ikatan Alumni/ IA ITB).

CURRICULUM
The curriculum for master degree program is organized into 3 (three) specialized fields of study:
1. Development Sustainability
2. Modelling of Development System
3. Technology Diffusion in Development Project
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<th>Semester II</th>
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<tr>
<td><strong>SP6101</strong> Development Theories &amp; Global Issues</td>
<td><strong>SP6201</strong> Public Governance and Democracy</td>
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<td><strong>3</strong></td>
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<tr>
<td><strong>SP6102</strong> Principles of Economics</td>
<td><strong>SP6202</strong> Innovation for Inclusive Development</td>
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<td><strong>3</strong></td>
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<td><strong>SP6103</strong> Ethics in Development</td>
<td><strong>SP6203</strong> Multi-discipline research Methodology</td>
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<td><strong>3</strong></td>
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<td><strong>SP6104</strong> Environmental Sustainability</td>
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<tr>
<td><strong>SP6105</strong> Technology and Social Change</td>
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<td><strong>SP6106</strong> Development Praxis Studio</td>
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<tr>
<td><strong>SP6004</strong> Integrated Coastal and Ocean Development System</td>
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<td><strong>SP6006</strong> Special Topics in Sustainable Development</td>
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<td><strong>SP6007</strong> Project Management for Sustainable Development</td>
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<td><strong>SP6008</strong> System Dynamics for Development</td>
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<td><strong>SP6205</strong> Actor-Network Theory for Sociotechnology Studies</td>
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Structure of Curriculum

Makassar, South Sulawesi, Field Trip (Doc. Kustiwan, 2016)
“Transportation Program is designed as such to satisfy the demand for transportation professionals who comprehend multiple dimensions of transportation planning and management.”

(courtesy of Kusyaria, 2016)
The broad impact of transportation systems requires an interdisciplinary approach to the planning, design, construction and operation of these systems, especially for a country like Indonesia whose regions are geographically spread out, heavily constrained by harsh natural elements like seas, rivers, forests and mountains, and heterogeneously divided by socio-cultural differences and diversities.

Transportation Graduate Program of the School of Architecture, Planning and Policy Development ITB encompasses a wide range of academic disciplines. It draws together a core of essential knowledge from transportation system analysis, transportation planning and policy, transportation operating and control systems, infrastructure management and logistic system, supported by more generic sciences such as modelling system, engineering system, traffic engineering, and economics. Any technical solutions to transportation problems are to be promoted in integration with socio cultural, economic, political and environmental concerns.

Transportation Program is designed as such to satisfy the demand for transportation professionals who comprehend multiple dimensions of transportation planning and management, enabling them to make decisions leading to more economically, socially, and environmentally sustainable transportation systems nationwide at present and in the future.
MASTER PROGRAM

Commencement semester: August, January
Duration: Regular Program: 3 to 4 semesters full-time
Credit units: 36 minimum
Admission requirements: Bachelor degree in related fields,
Academic Potential Test, English Proficiency Test, Interview.
Attendance in preparatory program prior to regular academic program is a requisite.
Degree Granted: Magister Teknik (equivalent to Master Degree)

PROGRAM OUTLINE
Graduates of the program are expected to be professional planners and/or managers who have wide knowledge in transportation planning and management issues, and expertise in one of specialized fields highly demanded by the community:
- Transportation System Analysis
- Transportation Planning and Policy
- Transportation Economics and Business
- Transportation and Regional Development

CAREER OPPORTUNITIES
Graduates of this program find their careers in local government transportation and traffic planning offices, regional and national transportation and traffic planning authorities, as well as private consultants engaged in transportation planning and traffic management.

PROFESSIONAL MEMBERSHIPS
So far, no specific professional association is available for the alumni of the program to register. However, they may be eligible for membership with ITB Alumni Association (Ikatan Alumni/IA ITB).

ADDRESS
Institut Teknologi Bandung
Gedung Labtek I xa
Jl. Ganesa 10, Bandung
40132
Indonesia
(022) 2502347 (p)
(022) 2500996 (f)
www.sappk.itb.ac.id/tr/ (w)
kaproditr@sappk.itb.ac.id (e)
### STRUCTURE OF CURRICULUM

#### SEMESTER I

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<td>TR5105</td>
<td>Transportation Analytical Method</td>
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<td>TR5103</td>
<td>Transportation System Planning</td>
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<td>TR6102</td>
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<td>TR5204</td>
<td>Transportation and Land Use</td>
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<td>Transportation Forecasting and Modelling</td>
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<td>TR5003</td>
<td>Traffic and Movement</td>
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<td>TR5004</td>
<td>Public Transport System</td>
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<td>Tariff Policy</td>
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<td>TR6008</td>
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PhD PROGRAM

Commencement semester: August, January
Duration: 3-4 years full-time
Credit units: 46 minimum for students with similar academic background, and 50 minimum for students with different academic background
Admission requirements: Master degree in related fields, Academic Potential Test, English Proficiency Test, Interview.
Degree Granted: Doktor (equivalent to PhD Degree)

PROGRAM OUTLINE
The doctoral program offers a specialized academic endeavour in the fields of transportation planning and management. The objective of the program is to develop independent research skills and an ability to relate a specific research topic to a broad framework of knowledge in a relevant discipline area. Doctoral candidates develop a capacity to create knowledge and to communicate and disseminate it to the academic community and the general public.

Students will be assigned an academic supervision committee with whom they will work to pursue their research. All students are required to take a qualifying examination before initiating their research for doctoral dissertation. Students who have obtained the status of doctoral candidate and completed their dissertation must pass a final examination and have their dissertation approved by the examination committee.

CURRICULUM
Since 2013, the doctoral curriculum is divided into 4 (four) consecutive phases:

- First phase: research methodology, colloquium and qualifying or preparatory examination and additional elective courses (in total 14 credits for students with similar academic background, 26 credits for students with different academic background). Students are required to have 12 months residence period in the campus and pass the qualifying examination.
- Second phase: proposal writing (3 credits)
- Third phase: research and dissertation writing (20 credits)
- Fourth phase: Dissertation examination (3 credits)
### STRUCTURE OF CURRICULUM

#### SEMESTER I

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TR7001</td>
<td>Transport System Analysis</td>
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<tr>
<td>TR7004</td>
<td>Philosophy of Science</td>
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<tr>
<td>TR7002</td>
<td>Preliminary Examination</td>
<td>3</td>
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<tr>
<td>TR7005</td>
<td>Research Methodology</td>
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#### SEMESTER II

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<tr>
<td>TR7003</td>
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<tr>
<td>Xxxxxx</td>
<td>Core Elective 1</td>
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<tr>
<td>Xxxxxx</td>
<td>Elective 2</td>
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<td>Elective 3</td>
<td>2</td>
</tr>
<tr>
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Total Load: 11 credits

#### SEMESTER III

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<tbody>
<tr>
<td>TR8001</td>
<td>Research and Progress Report I</td>
<td>5</td>
</tr>
<tr>
<td>Xxxxxx</td>
<td>Elective 5</td>
<td>2</td>
</tr>
<tr>
<td>Xxxxxx</td>
<td>Elective 6</td>
<td>2</td>
</tr>
<tr>
<td>Xxxxxx</td>
<td>Elective 7</td>
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Total Load: 11 credits

#### SEMESTER IV

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<tbody>
<tr>
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<td>Research and Progress Report II</td>
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<tr>
<td>Xxxxxx</td>
<td>Elective 5</td>
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Total Load: 11 credits

#### SEMESTER V

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<tr>
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<th>Course Name</th>
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<tbody>
<tr>
<td>TR9001</td>
<td>Research and Progress Report III</td>
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</table>

Total Load: 5 credits

#### SEMESTER VI

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<tr>
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<tbody>
<tr>
<td>TR9002</td>
<td>Research and Progress Report IV</td>
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<tr>
<td>TR9003</td>
<td>Dissertation Examination</td>
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Total Load: 8 credits

#### ELECTIVES

<table>
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<tr>
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<th>Course Name</th>
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<tbody>
<tr>
<td>TR7101</td>
<td>Advanced Transportation Modelling</td>
<td>3</td>
</tr>
<tr>
<td>TR7021</td>
<td>Seminar of Transport Contemporary Policies</td>
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</tr>
<tr>
<td>TR7102</td>
<td>Transport Policy Analysis</td>
<td>3</td>
</tr>
<tr>
<td>TR7022</td>
<td>Seminar on Sustainable Transportation</td>
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</table>

Total Load: 5 credits
“A strong political will to further develop tourism industries has encouraged the undertaking of tourism studies and increased the demand for tourism planning.”
The challenge to prepare a master plan for national tourism development in the early 1990s has become a milestone for ITB to take tourism as a serious subject matter. Tourism at that time was the country’s strategic foreign exchange earner, due to the decrease of national income from oil and gas. A strong political will to further develop tourism industries has encouraged the undertaking of tourism studies and increased the demand for tourism planning. Accordingly, courses on tourism were offered as electives at the Regional and Urban Planning Department ITB. The subject gradually attracted interest of students from planning department as well as from other fields of study.

ITB is not the first higher education to undertake a graduate program on tourism, which mostly started in late 1990s in the management study program. Undergraduate education on tourism in Indonesia is predominantly vocational in nature, serving the increasing need of the growing industry. In response to the aggravating issues in tourism development, resulted from accelerated growth of the industry with all its consequences, ITB in 1993 established a Center for Tourism Research to stimulate interest among students and faculty members. The Center is aimed at accumulating knowledge and experiences through researches as well as lessons learned from cooperation with many local governments and central government. With the accumulation of knowledge during that period, course materials on tourism could be enriched and expanded. In 2006, a master program on tourism was initiated as an attachment to master of Development Studies program. After a thoughtful consideration and preparation, a full-fledge master program on Tourism Planning was then established in 2010.
MASTER PROGRAM

Commencement semester: August
Duration: Regular Program: 3 semesters full-time
Credit units: 36 minimum
Admission requirements: Bachelor or D-4 degree in related fields; Academic Potential Test, English Proficiency Test, Interview.
Degree Granted: Magister Perencanaan Kepariwisataan (Master in Tourism Planning, equivalent to Master Degree in Applied Sciences)

PROGRAM OUTLINE
Students of Tourism Planning are required to attend classes, as well as being exposed to the real problems that have to be solved in planning studios. Students will also be given the opportunities to attend elective courses offered by other related study programs: regional and urban planning, architecture, urban design, and transportation planning.

CAREER OPPORTUNITIES
With the increasing strategic position of tourism in the national development agenda, the program will be appropriate for faculty members of the many tourism management school, as well as planning school. The program is also beneficial for those who are starting a career at the provincial as well as local (Kabupaten and Kota) government. In addition, there is also an increasing need for consultancy services with regards to tourism planning, in line with the fact that tourism is becoming an interest for many if not all provincial and local government. Tourism planning at different levels of government are required by law (UU-RI No. 10 Tahun 2009).

ADDRESS
Institut Teknologi Bandung
Gedung Labtek IXA
Jl. Ganesa 10, Bandung
40132 Indonesia
(022) 2502347 (p)
(022) 2500996 (f)

PROFESSIONAL MEMBERSHIPS
So far there has been no specific professional association or organization available for tourism planning alumni. Nevertheless, they are eligible to join ITB Alumni Association (Ikatan Alumni/ IA ITB).

CURRICULUM
Tourism Planning is a 36-credit master program that can be undertaken in 3 consecutive semesters on a full time basis.

web: www.sappk.itb.ac.id/pariwisata/
email: yantis@sappk.itb.ac.id
**STRUCTURE OF CURRICULUM**

<table>
<thead>
<tr>
<th>SEMESTER I</th>
<th>SEMESTER II</th>
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<tbody>
<tr>
<td>PK5101 The Analysis of Tourism Elements and System</td>
<td>PK5201 Tourism Research 2</td>
</tr>
<tr>
<td>PK5102 Infrastructure &amp; Transportation System for Tourism</td>
<td>PK5202 Tourism Impact 2</td>
</tr>
<tr>
<td>PK5103 Tourism Development Planning</td>
<td>PK5290 Tourism Destination Planning Studio 4</td>
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<tr>
<td>XXxxxx Elective 1</td>
<td>XXxxxx Elective 3 2</td>
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<tr>
<td>XXxxxx Elective 2</td>
<td>XXxxxx Elective 4 2</td>
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<table>
<thead>
<tr>
<th>SEMESTER III</th>
<th>SEMESTER IV</th>
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<tbody>
<tr>
<td>PK6101 Institution of Tourism Destinations</td>
<td>PK6099 Final Project 5</td>
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<tr>
<td>PK6102 Professional Ethics</td>
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<tr>
<td>XXxxxx Elective 5</td>
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**ELECTIVE COURSE**

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>PK5104 The Dynamics of Tourism Development</td>
<td>PK6002 Pro-poor Tourism 2</td>
</tr>
<tr>
<td>PK6103 Tourism Destination Marketing</td>
<td>PK5203 Community Based Tourism 2</td>
</tr>
<tr>
<td>PK6001 Special Topic</td>
<td>PK5204 Tourism and Disaster Mitigation 2</td>
</tr>
<tr>
<td>PK5104 The Economics of Tourism</td>
<td>PK5105 Transformation of Tourism Facilities 2</td>
</tr>
</tbody>
</table>

Discussion among academicians, practitioners, local government, and Ministry of Tourism officers on tourism development (Doc. Kusyala, 2016)
“Master Program in Landscape Architecture develops interdisciplinary knowledge that focuses on ecological design.”

(courtesy of Hutriani, 2015)
Environmental degradation has become a major issue in the world today, and has been stated explicitly in the Millennium Development Goals program. One of the goals is ensuring environmental sustainability as a main base of every planning and development activity. Institut Teknologi Bandung, which has core-competences in science, engineering, art and design, has both vision and mission to become center of excellence in national and international level. Supported by various Research Groups and Research Centers related to the science of planning, engineering, ecology, and cultural history and design, Master Program in Landscape Architecture develops interdisciplinary knowledge that focuses on ecological design.

Master Program in Landscape Architecture is one of academic programs in the School of Architecture, Planning, and Policy Development (SAPPD), Institut Teknologi Bandung. The program was established on 28 August 2012 by a decree from the Rector of ITB (No:208/SK/I1.A/OT/2012), which was previously conducted as a field of study in Architecture Master Program, SAPPD in academic year 2007/2008.

The program is developed based on Landscape Architect Professional Competency, and supported by a professional association (IALI: Ikatan Arsitek Lanskap Indonesia/Indonesian Landscape Architects Association). The Master program is oriented towards the development of graduates competency to implement the knowledge of Landscape Architecture in response to current environmental issues, such as environmental improvement projects, planning with specific issues (post-mining, heritage, and tourism), and urban green open space.
MASTER PROGRAM

Commencement semester : August
Duration : 4 semesters full-time
Credit units : 36 minimum
Admission requirement : Bachelor degree in architecture, landscape architecture, and other related fields, Academic Potential Test, English Proficiency Test, Interview. Additional portfolio of previous design works will be appreciated.
Degree Granted : Magister Arsitektur Lanskap (equivalent to Master Degree)

PROGRAM OUTLINE
The Master program in Landscape Architecture aims to develop skills and attitude of a landscape architect, which are emphasized on problem solving ability as a basic competency. The learning process is directed to the development of students’ professional attitude, as well as problem solving skill through group and individual works in studio, field studio, and excursions to various places with specific topic/theme.

CAREER OPPORTUNITIES
Graduates of our Master program work as landscape architects in various consulting companies as well as other related field of works.

PROFESSIONAL MEMBERSHIPS
The alumni of Master program in Landscape Architecture are eligible to join Indonesian Landscape Architects Association (Ikatan Arsitek Lanskap Indonesia/ IALI), as well as ITB Alumni Association (Ikatan Alumni/ IA ITB).

CURRICULUM
The curriculum is designed to develop students’ competency to integrate the principles of regional planning, the understanding of social and cultural problems in developing countries, natural and cultural system in a society, and information technology into the design process and concept. Landscape Architecture Studio as a core course consists of several design practices that address current environmental issues.

web : www.sappk.itb.ac.id/arlanzkap/
email : arsitekturlanskap@sappk.itb.ac.id
### STRUCTURE OF CURRICULUM

#### SEMESTER I

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>AL5100</td>
<td>Landscape Architecture Studio 1</td>
<td>4</td>
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<tr>
<td>AL5101</td>
<td>History &amp; Theory of Landscape Architecture</td>
<td>2</td>
</tr>
<tr>
<td>AL5102</td>
<td>Technology and Landscape Engineering</td>
<td>2</td>
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<tr>
<td>AL5103</td>
<td>Compulsory Elective Course 1: Plants and Landscape Design</td>
<td>3</td>
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<tr>
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#### SEMESTER II

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<tr>
<td>AL5200</td>
<td>Landscape Architecture Studio 2</td>
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<tr>
<td>AL5201</td>
<td>Design Methods for Landscape Architecture</td>
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<tr>
<td>AL5202</td>
<td>Ecology for Landscape Architecture</td>
<td>2</td>
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<td></td>
<td>Elective Course 2</td>
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#### SEMESTER III

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<tr>
<td>AL6100</td>
<td>Landscape Architecture Studio 3</td>
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<tr>
<td>AL6101</td>
<td>Professional Ethics</td>
<td>3</td>
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<tr>
<td>AL6102</td>
<td>Compulsory Elective Course 3: Landscape Architecture in the Developing Countries</td>
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#### SEMESTER IV

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<tr>
<td>AL6099</td>
<td>Final Project</td>
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<td>Elective Course 4</td>
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#### ELECTIVE COURSES

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<td>Plants and Landscape Design</td>
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<tr>
<td>AL6102</td>
<td>Landscape Architecture in the Developing Country</td>
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<tr>
<td>RK5111</td>
<td>Urban Design Principles</td>
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<td>RK5212</td>
<td>Urban Conservation</td>
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<td>Urban Land Management</td>
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<td>BP5102</td>
<td>Natural Resource and Environmental Economics</td>
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<tr>
<td>PL6105</td>
<td>Urban and Regional Planning</td>
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<tr>
<td>PL5111</td>
<td>Urban Development Planning</td>
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</tr>
<tr>
<td>DS5011</td>
<td>Design and Culture 2</td>
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ACADEMIC ACTIVITIES

CURRICULUM DISCUSSIONS

Curriculum in each study program within SAPPD ITB was designed in such a way to equip students with knowledge and skill capacity that corresponds to the development of knowledge and its application in an ever changing working world. In an effort to keep abreast with the development, SAPPD ITB routinely and continuously updates its curriculum every 5 years.

To maintain its standard, quality, and conformity with national and international levels, the curriculum is adapted with standard of competence set by some national and international accreditation boards. The standard of competence set by each accreditation board becomes an input in the process of curriculum updating conducted routinely. In January 2016, SAPPD ITB obtained international accreditation from the KAAB (Korea Architectural Accreditation Board).

In an effort to fulfill Three Pillars of Higher Education (Tri Dharma Perguruan Tinggi), the drafting of strategic plan for research and community service becomes a routine discussion agenda conducted by SAPPD ITB in an effort to map out research and community service that have been done in the past, and will be done in the future.
VISITS

SAPPD ITB has received plenty of visits from professors, lectures, researchers from domestic and international universities for short term and long-term. Some of the visits produced a number of inter institutional cooperation such as MOU with SAPPD ITB in research and community services, product development, etc.

SAPPD is also active in conducting a visit abroad to obtain input and to conduct a comparative study, and discussion for system development, so that it will benefit more the community. The problem that was discussed is a real problem faced by the local community and the Indonesian people who still have problems in the field of technology, especially for those in need.

A visitation by the Korea Architectural Accrediting Board (KAAB) during the process of international accreditation for Architecture Program (Doc. Soelaiman, 2016).
PROFESSOR INAUGURATION

In the period of 2014-2016, 5 (five) professors had been promoted. The inaugural speeches of Prof. Arief Rosyidie (Regional and Rural Planning Research Group) and Prof. Pradono (Economic System and Modelling Research Group) took place in August 2015, later Prof. Sugeng Triyadi (Building Technology Research Group), and Prof. Widjaja Martokusumo (Architectural Design Research Group) delivered their speeches in September 2015. While Prof. Haryo Winarso (Urban Planning and Design Research Group) delivered his speech on September 2016. In October 2016, another professor title has been given to Prof. Iwan Sudradjat for Architectural History, Theory, and Criticism. The events were organised by the Forum Guru Besar ITB (ITB’s Forum of Professors).

1. Prof. Arief Rosyidie, presented his inaugural lecture entitled: “Development of Tourism Destination”.
2. Prof. Pradono, presented his inaugural lecture entitled: “Toward Sustainable Solution to Overcome Infrastructure Deficiency in Indonesia”.
3. Prof. Sugeng Triyadi, delivered his speech on Uniquely Indonesian construction amid the changes in our location at the Asia Pacific center of disasters, such as earthquake and tsunami.
5. Prof. Haryo Winarso presenting his inaugural lecture on Affordable Land Development (2016).
6. Prof. Iwan Sudradjat received his professorship in Architectural History, Theory, and Criticism.
Every semester, SAPPD ITB organizes public lectures on a wide variety of topics and aimed at a general audience. The School routinely invites politicians and decision makers in the government to share their experiences. Many of the speakers are leaders in their field and all have something of special interest to convey.

Our lectures cover a wide range of disciplines and frequently include key contemporary issues, particularly those that related to build environment issues. All lectures are free and open to all, with spaces allocated on a first-come first-served basis. Many leaders, such as minister, governor and mayor were graduated from ITB, they came back to campus to share their expertise and experiences to the students and faculty members.

1. Public lecture from the Mayor of Bandung, Ridwan Kamil, who is also a lecturer from Architecture Program, ITB (top, Doc. Kusyala, 2016).
GUEST LECTURES

A number of courses in SAPPD ITB have routinely invited practitioners and experts from industrial world, both foreign and domestic, to give lectures that are open for students and faculty members at SAPPD ITB.

This guest lecture is part of special courses that opens up students insight on progress in the world, particularly industry, profession, and practitioners.

1. The Chair of the Indonesian Institute of Architect gives his view on the development of architecture profession to lecturers and students.
2. Guest lecture at the Architecture Program is held biweekly.
Various posters of guest lecture held by the Architecture Program in the last 2 years (Courtesy of Kusyala, 2016)
Various guest lectures by alumni, practitioners, specific experts and foreign students conducting research on cases that have become issues and are beneficial to the teaching process in ITB.
1. A lecture from an Urban Regional Planning alumnus with a career abroad.
2. Guest lecture from Dean of the University of Sydney.
4. Guest lecture from University of Melbourne (doc. SAPPD, 2016).
WORKSHOPS

Interaction between academician and practitioners is implemented in the form of workshop and training. Workshop and training have become routine agenda of SAPPD ITB in cooperation with government institution, professional institution, etc.

This workshop aims at training students to further understand the real field condition and to work with real objects. In addition, the workshop also discusses the latest issue and the possibility of research development toward new direction developing outside.

1. Workshop with the University of Sydney produced prototype of the development of sidewalk vendors with local construction and material. (top, doc. Harryndra, 2016)
2. Workshop with selected students from Southeast Asia to discuss local construction and development in narrow land area in the series of Archiprix Southeast Asia in Ganesha Campus, 2016. (bottom, doc. Kusyala, 2016)
Discussions on the topic of development issues in Indonesia with international and national experts, such as smart city, the development of architecture and planning education in Indonesia, and housing and settlement planning.

Capacity building training for government’s planners.
(doc. SAPPD, 2016).
CONFERENCES

SAPPD ITB has conducted international conferences, i.e. Planocosmo, Habitechno and Artepolis. These conferences are held regularly every two years with speakers from various parts of the world who are expertise in their respective fields.

Planocosmo focuses more on urban and regional planning, artepolis focuses more on place-making and creativity and space formation which corresponds to and is the latest in design and architecture; whereas Habitechno focuses more on planning and technology of housing provision in developing countries such as Indonesia.

2. Roundtable discussion as post event of Artepolis-6
3. The organizing committees of Habitechno-2 International Conference, 2015
JOINT STUDIOS

In cooperation with campuses in Indonesia and abroad, the studio course in SAPPD ITB routinely conducts joint studio with a hope that the learning experience in the studio could widen the insight of the students, could see different way of work among the two study programs, and could become a benchmark of a good assignment.

This joint studio is also an event to increase capacity and working process at ITB campus.

ITB’s Representatives were at University of Sydney to conduct exhibition and discussion on urbanism in Indonesia.  
(doc. SAPPD, 2016).
1. Master students in urban design conducted a workshop in Bandung. (doc. Soelaiman, 2015)

2. Presentation of the output from ITB - University of Sydney students Workshop in Sydney. (doc. Harryndra, 2016)

3. Presentation of joint studio of SAPPD ITB with University of Melbourne (doc. SAPPD, 2016).
RESEARCH INTEREST

Research activity is maintained at a high level by 9 (nine) Research Divisions, covering key areas as follows:

Architectural Design
- Ecological design
- High density living
- Digital architecture
- Landscape Architecture
- Architectural Conservation & Cultural Heritage

Building Technology
- Appropriate building technology
- Energy efficient building

Housing and Human Settlement
- Morphology, transformation of settlement and dwelling process
- Housing construction process and habitability
- Housing demands, needs and preferences
- Community based housing and settlement

Architectural History, Theory and Criticism
- Transformation of dwelling culture
- Architecture and contemporary lifestyle
- Historiography of Indonesian architecture

Regional and Rural Planning
- Planning and development of metropolitan area
- Planning and development of remote area
- Core-periphery relation
- Management of Indonesia’s maritime continent

Urban Planning and Design
- Academic concept of town planning standard
- Urban housing and land development
- Peri-urban development
- Development of urban economic basis

Regional and Urban Infrastructure System
- Infrastructure system engineering and sustainability of regional and urban development
- Institutional development and the financing of infrastructure development
- Development of access to Infrastructure services

Policy Planning and Development Management
- Metropolitan governance analysis
- Fiscal impact analysis
- Local preference analysis
- Urban politics analysis

Economic System and Modelling
- Innovation economics & technology choice
- Spatial economics & planning
- Economics of infrastructure & the environment
- Economic Modelling & System of economic
Architectural Design Research Group focuses on learning, developing, and teaching knowledge which are the basis of architecture school. The research group develops knowledge and research that related to tropical and developing countries. It examines the design theories and skills that developed from the experiences of various architects or professional practice.

The scope of knowledge covers four main areas of study: (1) Building Design, (2) Urban Design, (3) Landscape Architecture, and (4) Environment and Behaviour.

The expertise that developed in this research group is associated with building form, making place, design theories, design approaches, design methodologies, facility programming, and strategic planning for architecture and design. Architectural Design Research Group actively develops and shares its idea not only in the form of research but also from various activities, such as competition, workshop, and teaching. Architectural Design Research Group also engages collaboration with several institutions with different scope of fields.
Widjaja Martokusumo
Professor
Ir. (ITB), Dr.-Ing. (Kassel).
Architectural and urban design; architectural and urban heritage conservation and revitalization

Aswin Indraprastha
Associate Professor
ST., MT. (ITB), M.Eng., Ph.D. (Shibaura).
Design & computation: spatial modelling; agent-based simulation; algorithmic modelling; and game engine-based visualization.

Agus Suhairjono
Associate Professor
ST., MT. (ITB), Dr. (ITB).
Urban design policy; digital architecture

Rr. Dhian Damajani
Associate Professor
Ir., MT., Dr. (ITB).
Landscape design; cultural landscape

Hanson Endra Kusuma
Associate Professor
ST. (ITB), M.Eng., Dr.Eng. (Tokyo).
Environment and behavior; morphology of space and form; research methodology; quantitative data analysis

Heru Wibowo Poerbo
Assistant Professor
Ir. (ITB), MURP. (Hawaii), Dr.-Ing. (Kaiserslautern).
Urban design and urbanism; computer application in urban design

Achmad Deni Tardiyana
Assistant Professor
Ir. (ITB), M.U.D. (UNSW), Ph.D. Candidate (Melbourne).
Architectural design; morphological, political economy of architecture and urbanism

Basiul Umar Lubis
Assistant Professor
Ir., MSA (ITB), PhD (RMIT)
Architectural design; place making; urban tourism

Budi Faisal
Assistant Professor
Ir. (ITB), MAUD., MLA. (Colorado), Ph.D. (Melbourne).
Architectural design; landscape architecture

Aswin Indraprastha
Associate Professor
ST., MT. (ITB), M.Eng., Ph.D. (Shibaura).
Design & computation: spatial modelling; agent-based simulation; algorithmic modelling; and game engine-based visualization.

Endang Triningsih
Assistant Professor
Ir. (ITB), MSP. (ITB), MLA. (Wisconsin), Ph.D. Candidate (Melbourne).
Urban landscape; Asian urbanism; urban informality; indigenous landscape

Mochamad Prasetiyo E. Yasin
Assistant Professor
Ir. (ITB), M.Arch., MAUD, (Colorado), Dr. (ITB).
Architectural and urban design; theory and methodology of spatial analysis; environment and behavior
Erika Yuni Astuti  
Instructor  
ST., MT. (ITS), Ph.D. (Candidate - TU Darmstadt).  
Conservation of built heritage area; public perception of the historic environment

Woerjantari Kartidjo  
Assistant Professor  
Ir., MT., Dr. (ITB).  
Urban conservation; urban design and studies; hospital design; environment and behavior

Firmansyah  
Assistant Professor  
ST., MT., Dr. (ITB).  
Architectural design; visual analysis method; landscape architecture

Tubagus Muhammad Aziz Soelaiman  
ST., (ITB), MA. (Kingstone)  
Architectural Design, Urban Design

Mochamad Ridwan Kamil  
Instructor  
ST. (ITB), MUD (UC Berkeley)  
Architectural design, Urban Design,

Medria Shekar Rani  
Instructor  
ST, MT (ITB), Ph.D. (Candidate - Sheffield).  
Architectural design; landscape architecture

Titik Savitrie  
Instructor  
Ir, MT (ITB)  
Architectural design; landscape; facility management

Rr. Diah Ash Purwaningrum  
Instructor  
Ir, MT. (ITB).  
Landscape design; cultural landscape

Widiyani  
Assistant Professor  
ST, MT (ITB) PhD (Candidate - TU Eindhoven)  
Architectural design; interior architecture; behavior and lifestyle in architecture

72 Research Groups
2016
Ekomadyo, A. S.  
• Hubungan Antara Rancangan Fasilitas Hunian dan Interaksi Sosial di Hunian Sewa Mahasiswa  
Kusuma, H. E.  
• Relationship between Internal-External Factors and Preferences for Shopping Mall

2015
Tardiyan, A. D.  
• Pekerjaan Feasibility Study (FS) Penataan Kawasan Permukiman Lokasi Kawasan Derwati Gedebage  
Ekomadyo, A. S.  
• Model Penciptaan Pasar Tani (Farmers Market) berbasis Sinergi Pertanian dan Pariwisata untuk Pengembangan Kewirausahaan Lokal di Ciwidey Bandung  
• Pengembangan Piranti Lunak Berbasis Fraktal untuk Eksplorasi Ragam Hias Nusantara sebagai Media Perancangan Bangunan Kontemporer  
• Model Pengembangan Pasar Tani Sebagai Atraksi Wisata Perdesaan
Faisal, B.  
• Master Plan Kawasan Wisata Terpadu Carocok Painan  
• Pemukiman Lokasi Kawasan Derwati Gedebage

2014
Ekomadyo, A. S.  
• Model Pasar Tematik Urban yang Mampu Menghela Ekonomi Lokal Kasus: Pasar Bertema “Healthy Food” untuk Wilayah Bandung dan Sekitarnya  
• Pengembangan Piranti Lunak Berbasis Fraktal untuk Eksplorasi Ragam Hias Nusantara sebagai Media Perancangan Bangunan Kontemporer (RAPID)  
Kusuma, H. E.  
• Hubungan Korelational antara Faktor Internal-Eksternal dan Preferensi terhadap Shopping Mall (Relationship between Internal-External Factors and Preferences for Shopping Mall)

International accredited Journal

2016
Octaviana, S., Martokusumo, W., Kusuma, H. E. & Tedjo, B.  
Hartanti, N.B, Martokusumo, W., Lubis, B.U., Poerbo, H.W.  
Dewiyanti, D., Martokusumo, W., Faisal, B. & Budi, B. S.  

2015
Dewiyanti, D., Martokusumo, W., Faisal, B. & Setiabudi, B.  
• Sense of community in the shape of feeling attached to the Salaman Mosques Bandung, Indonesia. Journal of Applied Environmental and Biological Sciences, 5(11) 45-52, ISSN: 2090-4278
Martokusumo, W. & Zulkaidi, D.  

2014
Martokusumo, W.  
Prasidha, I.N.T. & Martokusumo, W.  
Rosmalia, D. & Martokusumo, W.  
• The Kasunean River Revisited: Some Notions on the Role of Cultural Landscape Elements in Cirebon City, West Java, Indonesia. NAKHARA: Journal of Environmental Design and Planning, vol. 10, 2014, hal. 77-84 , ISSN: 1905-7210, Chulalongkorn University, Bangkok, Thailand.

Architectural Design 73

Astiti, E. Y. • Inhabitants values within conservation of a built heritage area, case study of the Darmo settlement, Surabaya, Indonesia, 18th General Assembly of ICOMOS 9-14 November 2014-Heritage and Landscape as Human Values. Florence, Italy 9-14 November

Architectural Design Research Group Collaboration as first winner of ‘Rumah Budaya Indonesia’ Design Competition in Timor Leste
Building Technology Research Division consists of six areas of study; (1) Building System, (2) Building Performance, (3) Architectural Project and Construction Management, (4) Building and Environment Control, (5) Architectural Disaster Mitigation, and (6) Architectural Computation and Modeling.

The six areas of study is an outgrowth of the three main study areas, namely: the structure of the building, construction management and building science, which became the embryo of a variety of professional activities and current research. It was recognized that the academic / educational architecture cannot grows without professional activities as a practice field / applied technology in architecture.

The current rapid development of knowledge of building technology has been driven by several factors such as environmental degradation, scarcity of energy and natural resources and also by the progress of management science and computing.
Surjamanto W.
Associate Professor
Ir. (Unibraw), MT. (ITB),
Dr. (ITB)
Urban thermal
environment; building
material and technology;
building structure and
technology

Sugeng Triyadi S.
Professor
Ir., MT., Dr. (ITB).
Building system; building
performance and service
life; vernacular building
technology

Rakhmat Fitranto A.
ST., MT. (ITB)
Structure and
Construction

Hidayat Amir
Instructor
Ir. (ITB).
Building structure and
construction

Bambang Toto Pambudi
Assistant Professor
Ir. (ITB).
Building construction and
environment; project and
construction management

Andry Widyowijatmoko
Assistant Professor
ST., MT. (ITB), Dr.-Ing.
(RWTH Aachen).
Structural design; appropriate technology
for developing countries; bamboo construction

Lily Tambunan
Assistant Professor
Ir. (Unhas), MT. (ITB), Dr
(Kitakyushu)
Building technology and
safety

Mochamad Donny Koeniawan
Assistant Professor
ST. (UGM), MT. (ITB), Dr. Candidate (Kitakyushu)
Urban and architectural
modeling and simulation; building energy

Permana
Instructor
ST., MT. (ITB)
Building operation,
performance and
management

Robby Dwikojuliardi
Instructor
Ir. (ITN Malang),
MT. (ITB).
System and building
performance

Dibya Kusyala
ST., MT. (ITB)
Building System, Structure
and construction

Rakhmat Fitrianto A.
ST., MT. (ITB)
Structure and
Construction

Dewi Larasati
Associate Professor
ST., MT. (ITB), Ph.D.
(Kochi).
Construction
management; sustainable
construction; project
delivery service

Lily Tambunan
Assistant Professor
Ir. (Unhas), MT. (ITB), Dr
(Kitakyushu)
Building technology and
safety

Mochamad Donny Koeniawan
Assistant Professor
ST. (UGM), MT. (ITB), Dr. Candidate (Kitakyushu)
Urban and architectural
modeling and simulation; building energy

Permana
Instructor
ST., MT. (ITB)
Building operation,
performance and
management

Robby Dwikojuliardi
Instructor
Ir. (ITN Malang),
MT. (ITB).
System and building
performance

Dibya Kusyala
ST., MT. (ITB)
Building System, Structure
and construction

Rakhmat Fitrianto A.
ST., MT. (ITB)
Structure and
Construction
Research Activities

2016
Larasati, D.
• Aplikasi Perhitungan Embodied Energy Berbasis Androidtm Pada Pembangunan Rumah Untuk Mendorong Partisipasi Masyarakat Dalam Mitigasi Dampak Lingkungan
• Kajian Kearifan Lokal Sistem Pengawetan Bambu Sebagai Material Berkelanjutan Pada Rumah Tinggal Masyarakat Jawa Barat
• Pengembangan Prototip Bambu Pracetak Untuk Komponen Rumah Berdasarkan Kearifan Lokal Rumah Vernakular Di Jawa Barat

Wonorahardjo, S.
• Pembuatan Modul Manajemen Temperatur Udara Ruang Menggunakan Pcm (Phase Change Material) Dalam Upaya Konservasi Energi
• Prototipe Dinding Phase Change Material (PCM) Untuk Mengurangi Beban Pendinginan AC dan Menghemat Energi Operasional Gedung

2015
Larasati, D.
• Metode Perhitungan Embodied Energy sebagai upaya Penurunan Konsumsi Energi melalui Rekomendasi Material Substitusi Berkelanjutan pada Pembangunan Rumah Sederhana
• Kajian Kearifan Lokal Sistem Pengawetan Bambu Sebagai Material Berkelanjutan Pada Rumah Tinggal Masyarakat Jawa Barat
• Pengembangan Prototip Bambu Pracetak untuk Komponen Rumah Berdasarkan Kearifan Lokal Rumah Vernakular di Jawa Barat

Permana
• Aplikasi Desain Lingkungan Binaan Pada Pemberdayaan Desa Cikawari – Kabupaten Bandung

Wonorahardjo, S.
• Prototipe Dinding Phasa Change Material (PCM) untuk Mengurangi Beban Pendinginan AC dan Menghemat Energi Operasional Gedung
• Pembuatan Modul Manajemen Temperatur Udara Ruang Menggunakan PCM (Phase Change Material) dalam Upaya Konservasi Energi.
• Efektifitas Konservasi Energi pada Aplikasi Teknologi Pengkondisi Udara pasif Berbasis PCM Garam Hidrat CaC12.6H2O dan Asam Laurat.

2014
Larasati, D.
• Kajian Kearifan Lokal Sistem Pengawetan Bambu sebagai Material Berkelanjutan pada Rumah Tinggal Masyarakat Jawa Barat Permana
• Pengembangan Konstruksi Rumah Bagi Pengungsi dengan Sistem Bidang Lipat

Wonorahardjo, S.
• The Prototype of Vertical Sunlight Guides for Natural Lightings at Tall Buildings
• Prototipe Dinding Phase Change Material (PCM) untuk Mengurangi Beban Pendinginan AC dan Menghemat Energi Operasional Gedung

National Accredited Journal
2015
Triyadi, S. S.

National Proceeding
2015
Sabatini, S. N, Kusuma, H. E. & Tambunan, L.
Structural Model Kit developed by Building Technology Research Group

Courtesy of Salamah and Koernilawan, 2016
Housing and Settlement Research Group is the pioneer in the development of research and studies about housing and settlement as an independent knowledge to answer the issue and problem of developing country like Indonesia.

As the vision and mission of the department, Housing and Settlement Research Group currently develops the applied knowledge which is concerned with: (1) Housing and settlement development planning and design process in urban and rural context, (2) Formulation of built environment and settlement development policy based on community in urban and rural scale.

There are four aspects of research in this research group; (1) Morphology or transformation of dwelling process, (2) Housing construction process and appropriate inhabitability, (3) Environmental impact of settlement, (4) Demands, need, and preference of settlement environment.
Agustinus Adib Abadi
Associate Professor
Ir. (ITB), MSc. (UCL),
Dr. (ITB).
Architectural design;
housing planning and
design

Ismet Belgawan Harun
Assistant Professor
Ir. (ITB), MSc. (AIT),
Ph.D. (Tokyo).
Housing and settlement;
tourism studies and planning; built
environment and traditional communities

Boedi Darma Sidi
Assistant Professor
Ir. MSA. (ITB),
Dr-Ing. (TH Darmstadt).
Urban low income
housing and settlement;
earthquake mitigation
studies; infrastructure and human settlement

Allis Nurdini
Assistant Professor
ST. MT. Dr. (ITB).
Housing need and
demand analysis;
housing typo-morphology;
research methodology for
housing and settlement

Indra Budiman Syamwil
Assistant Professor
Ir. (ITB), MSc. BEM (UCL),
Ph.D. (Tsukuba).
Human settlement studies; construction
industry development and management;
regional science and development; research
methodology and design studies

Mohammad Jehansyah Siregar
Assistant Professor
ST., MT. (ITB), Ph.D.
(Tokyo).
Housing and settlement

Tri Yuwono
Instructor
Ir., MT. (ITB).
Housing Finance and Project Management

Samsirina
ST., MT., Dr. (ITB)
Human settlement and
environmental psychology

Wiwik Dwi Pratiwi
Associate Professor
Ir. (ITB), MSc. (York),
Ph.D. (Sheffield).
Housing and settlement;
tourism studies and planning; built
environment and traditional communities
Research Activities

2016
Nurdini, A.
• Desain Hunian Bagi Masyarakat Berpenghasilan Rendah di Bantaran Sungai Peri Urban Area Bale Endah Kabupaten Bandung : Contingent Valuation Method
• Penyusunan Model Desain Rumah Susun Berbasis Kinerja Teknis, Fungsional dan Perilaku Bagi Masyarakat Berpenghasilan Rendah di Daerah Urban Padat : Studi Kasus Rumah Susun di Bandung Raya

Harun, I. B.
• Pendekatan Harmonisasi Sosial Dalam Penataan Pusat Kota Melalui Metode Konversi Hak Milik (Right Conversion Method) Pada Kawasan Kampung Kota

Pratiwi, W. D.
• Transformasi permukiman dan hunian di peri urban dan perkembangan pariwisata

2015
Pratiwi, W. D.
• Transformasi Perumahan Permukiman dan Pariwisata: Komparasi di Jakarta dan Bandung

Abadi, A. A.
• Perilaku Pembeli Rumah Menengah ke Atas di Bandung

Nurdini, A.
• Desain Hunian bagi Masyarakat Berpenghasilan Rendah di Bantaran Sungai Peri Urban Area Bale Endah Kabupaten Bandung : Contingent Valuation Method

Pratiwi, W. D.
• Transformasi Perumahan Permukiman dan Pariwisata: Komparasi di Jakarta dan Bandung

International Accredited Journal

2015
Sesotyaningtyas, M., Pratiwi, W. D., & Setyono, J. S.

International Proceeding

2015
Najmi, I., Pratiwi, W. D., & Harun, I. B.

National Papers

2015
Harun, I.B., Ekomadyo, A.S., Yovita, W., Putri, T.N., Sofia, I, dan Pradifta, F.
History, Theory, and Criticism in Architecture Research Group (HTCA-RG) specializes in research in the field of Urban and Architectural history, theory and criticism.

There are five main areas of study; (1) Dwelling culture, local knowledge and vernacular architecture of ethnic community in Indonesia, (2) Development of architecture and urbanism in Indonesia, (3) Relevant application of state of the art theoretical and methodological perspective, (4) Architecture and urbanism critic based on formal paradigm and alternative paradigm, and (5) Documentation of idea and work of Indonesian architect or architectural community.

The researches of History, Theory, and Criticism in Architecture Research Group are aimed to give comprehensive understanding about architectural phenomena with its context and the power that influence it.
Research Activities

2016
Hanan, H.
• Eksplorasi tradisi bermukim di desa pegunungan Bali Aga sebagai Wisata Budaya, Alam yang terpadu
• Peran Elemen Lingkungan Pada Pemaknaan Tempat Suci di Bale Agung Pengotan

2015
Hanan, H.
• Pengaruh Sistem Keluarga pada Pemaknaan Pekarangan Rumah di Permukiman Bali Agra
• Strategi Revitalisasi Seni Budaya Batak Toba sebagai Objek Wisata dan Industri Kreatif

International Journal

2016
Andi, U. F. & Sudradjat, I.

2015
Hanan, H., Suwardhi, D., Nurhasanah, T. & Bukit, E. S.
• Batak Toba Cultural Heritage and Close-range Photogrammetry. Procedia Social and Behavioural Sciences, 184, p. 187195.
2014
Dewi Ratih Megawati, D. R., Ryeung, J. S. & Hanan, H.

Gantini, C., Prijotomo, J. & Saliya, Y.

National Journal
2016
Sudradjat, I. & Triyoga, B.

International Proceeding
2016
Gantini, C. & Hanan, H.
• The Impact of Tourism Industry on The Sustainability of Traditional Bale Banjar in Denpasar. The 6th Arte-Polis International Conference - Imagining Experiences: Creative Tourism and the Making of Place, 4-5th August 2016. SAPPK ITB, Bandung.

Hanan, H.
• Stay, Play, and Learn at Bali Aga Traditional Village. The 6th Arte-Polis International Conference - Imagining Experiences: Creative Tourism and the Making of Place, 4-5th August 2016. SAPPK ITB, Bandung.

Widiastuti, I., Saiful, A. & Kartamihardja, A. I.
• Selasar Sunaryo and Wot Batu, a Creative Stimulus for Tourism in the Area of Bukit Pakar Timur Street, Cibirial Village, Bandung District. The 6th Arte-Polis International Conference - Imagining Experiences: Creative Tourism and the Making of Place, 4-5th August 2016. SAPPK ITB, Bandung.

Sofian, T., Sudradjat, I. & Tedjo, B.

2015
Winawangsari, D. & Hanan, H.
• Traces of Bali Apanage in Bali Aga’s Architecture at Pengotan. International Conference Manifestations of Architecture in Indonesia, Department of Architecture, Institut Teknologi Sepuluh Nopember Surabaya, 1-2 September 2015.

Hanan, H. & Winawangsari, D.

Widiastuti, I.

2014
Wibowo, A. S.


Hanan, H. & Winawangsari, D.
• Ordering Principles for Sustainable Dwelling Place. International Conference on Sustainable Environmental and Vernacular Architecture, Department of Architecture, Hasanuddin University, 14-15 November 2014.
National Proceeding

2014

Wibowo, A. S.

Gantini, C.
• Arsitektur Bale Banjar Adat Sebagai Representasi Arsitektur Pertahanan Masyarakat Denpasar di Bali. Seminar Nasional Arsitektur Pertahanan (ARSHAN) 2014 : Insting Teitorial dan Ruang Pertahanan, hal. 50 59, ISBN. 978.602.71099.0.2.

Hanan, H. & Winawangsari, D.

Widiastuti, I.
• Naga-Patala: Konsep Ruang Kreasi bagi Persentuhan Arsitektur India dan Nusantara.

Sudradjat, I.
Aims to be a center of excellence in research in the field of regional and rural planning, promoting integrated, equitable, and sustainable regional development, regional and rural planning research group covers wide range of research topics, which are classified into three main topics, namely Environmental Planning and Management, Regional Policies and Governance, and Rural Transformation and Community Development.

Each topic consists of various research interests. Environmental Planning and Management includes Disaster management, Climate Change and regional development, Riverbasin management, Ecotourism development, and Coastal and marine development. Under the topic of Regional Policies and Governance, there are Regional economics, Local economic development, and Megaurban and Periurban Development. As for Rural Transformation and Community Development topic, Endogenous development, Rural Development and Planning, and Community development becomes its main interests.
Tommy Firman
Professor
Ir. (ITB), M.Sc. (AIT), Ph.D. (Hawaii).
Decentralization and regional development; mega-urban region development; metropolitan governance

Arief Rosyidie
Professor
Drs. (UGM), MSP. (ITB), M.Arch., Ph.D. (Leuven).
Tourism planning; disaster management; population and regional development

Delik Hudalah
Associate Professor
ST., MT., M.Sc. (ITB), Ph.D. (Groningen).
Suburbanization; peri-urban and metropolitan planning; regional governance; planning theory

Dewi Sawitri Tjokropandojo
Associate Professor
Ir., MT., Dr. (ITB).
Human and local economic development; human resources and regional development

Djoko Santoso Abi Suroso
Associate Professor
Ir. (ITB), M.PSt., Ph.D. (Queensland).
Natural and rural systems management

Hastu Prabatmodjo
Associate Professor
Ir. (IPB), MS. (Florida State), Ph.D. (Queensland),
Rural and regional development; industrialization and industrial development; population

Tubagus Furqon Sofhani
Associate Professor
Ir. (ITB), MA. (ISS), Ph.D. (Illinois).
Capacity building & regional development; diffusion of innovation and social network; climate change and regional development

Wilmar A. Salim
Associate Professor
ST. (ITB), M.Reg.Dev. (Queensland), Ph.D. (Hawaii).
Poverty and decentralization

Teti Armiati Argo
Assistant Professor
Ir. (ITB), MES. (York), Ph.D. (UBC).
Community based planning and disaster management; ecological politics of clean water; urban-rural linkages; environment and management

Saut Arluta H. Sagala
Assistant Professor
ST. (ITB), M.Sc. (ITC), Ph.D. (Kyoto).
Regional and urban planning; participatory and rural community planning; disaster management; quantitative analysis and GIS

Hadi Nurtjahjo
Instructor
Ir., MT., Dr. Candidate (ITB).
Carrying capacity; urban and regional hydrology; land use modelling

Regional and Rural Planning
Research Activities

2016
Aritenang, A. F.
- Model Relasi Antara Kejadian Dan Intensitas Bencana Alam Dengan Pertumbuhan Ekonomi Pada Tingkat Kabupaten Di Indonesia

Hudalah, D.
- Dinamika Wilayah Dan Kota Di Jawa Sebuah Transformasi Menuju Megaregion (Urban and Rural Dynamics: A Transformation to Megaregion)
- Pengembangan Lahan Pinggiran Perkotaan Skala Besar di Era Otonomi Daerah dan Demokratisasi
- Pemberdayaan Masyarakat dalam Pemeliharaan dan Pengembangan Energi Baru dan Terbaru di Kepulauan Karimunjawa Interaksi Sosial di Hunian Sewa Mahasiswa

Suroso, D. S. A.
- Menilai Kerentanan dan Kapasitas Anak-anak Terhadap Dampak Perubahan Iklim dalam Rangka Pembentukan Kerangka Kebijakan Adaptsi di Provinsi Jawa Barat
- Pengintegrasian Sistem Peringatan Dini Bencana Banjir Pemerintah Daerah Terhadap Ancaman Bencana Banjir di Kawasan Bandung Selatan

Salim, W. A.
- Model Pengembangan Wilayah Berbasis Kapasitas Daerah pada Era Desentralisasi

Rahmat, Y. N.
- Kontribusi Jejaring Aktor Terhadap Penciptaan Inovasi untuk Pengembangan Ekonomi Lokal (Studi Kasus : Industri Bordir di Kabupaten Tasikmalaya)

2015
Rosyidie, A.
- Kajian Konsep Pengembangan Mekanisme Kompensasi Karbon Pada Pariwisata Perkotaan Studi Kasus : Kota Bandung
- Pengembangan Desa Wisata Kreatif Rawabogo di Kecamatan Ciwidey, Kabupaten Bandung

Hudalah, D.
- Model Pengelolaan Ketahanan Pangan Perkotaan di Indonesia
- Pengembangan Lahan Pinggiran Perkotaan Skala Besar di Era Otonomi Daerah dan Demokratisasi

Suroso, D. S. A.
- Peningkatan Kesiapsiagaan Masyarakat Terhadap Ancaman Bencana Banjir di Kawasan Bandung Selatan

Argo, T. A.
- Fasilitasi Warga Muda Pada Usia Setara SMA/ sederajat Dalam Perencanaan/Pengelolaan Infrastruktur Hijau di Kota Bandung

Sothani, T. F.
- Pengembangan Model Jejaring Kelompok Kreatif Pembangunan Perdesaan di Indonesia

Salim, W. A.
- Model Pengembangan Wilayah Berbasis Kapasitas Daerah pada Era Desentralisasi
Scientific Publications

2016
Hudalah, D., Rahmat, Y. N. & Firman, T.

2015
Firman, T.
• Demographic Patterns of Indonesia’s Urbanization, 2000–2010: Continuity and Change at the Macro Level, Book Chapter of “Contemporary Demographic Volume 5 of the series Demographic Transformation and Socio-Economic Development pp 255-269, December 2015, Springer Internasional Publishing Switzerland, ISBN-online: 978-3-319-24783-0

Transformations in China, India and Indonesia Pontoh, N. K., Hudalah, D. & Indradijati, P. N.
• Dasar-Dasar Survei Perencanaan Wilayah dan Kota Bandung, Penerbit Institut Teknologi Bandung
Sagala, S., Dodon & Sitinjak, E.
• Dasar-Dasar Survei Perencanaan Wilayah dan Kota Bandung, Penerbit Institut Teknologi Bandung

International Accredited Journal

2016
Hudalah, D., Winarso, H. & Woltjer, J.
• Bandung City, Indonesia, Cities, 50, 100-110.
Fahmi, F.Z., Prawira, M.I., Hudalah, D. & Firman, T.

2015
Fahmi, F.Z., Hudalah, D., Rahayu, P. & Woltjer, J.

Winarso, H., Hudalah, D. & Firman, T.
• Peri-urban transformation in the Jakarta metropolitan area, Habitat International, 49, pp. 221-229.

2014
Firman, T.
• Inter-local-government partnership for urban management in decentralizing Indonesia: from below or above? Kartamantul (Greater Yogyakarta) and Jabodetabek (Greater Jakarta) compared,Space and Polity, 18 (3), pp. 215-232.
Firman, T.
• The dynamics of Jabodetabek development: The challenge of urban governance, Regional Dynamics in a Decentralized Indonesia, pp. 368-385

Hudalah, D., Firman, T., Woltjer, J.
• Cultural Cooperation, Institution Building and Metropolitan Governance in Decentralizing Indonesia, International Journal of Urban and Regional Research, 38 (6), pp. 2217-2234.

National Accredited Journal

2016
Purnama, D. & Tjokropandojo, D. S.
• Keterkaitan Kapasitas Kelompok Terhadap Keberlangsungan Perencanaan Partisipatif dalam Pembangunan Desa (Studi Kasus: Desa Melatiwangi dan Desa Cibiru Wetan Kabupaten Bandung). Jurnal Perencanaan dan Wilayah B, SAPPK-ITB, V5N1, hal 17-23.
Amalia, R., & Tjokropandojo, D. S.
• Modal Sosial Dalam Mendukung Difusi Inovasi Pemasaran Hortikultura Sebagai Basis Pengembangan Ekonomi Lokal (Studi Kasus: Desa Cisondari, Pasirjambu, Kabupaten Bandung dan Desa Cibodas, Lembang, Kabupaten Bandung Barat), Jurnal Perencanaan dan Wilayah Kota B, SAPPK-ITB, V4N3, hal 587-591
Permata, P. & Argo, T. A.
• Identifikasi Penerapan Nilai Tradisional Masyarakat Adat Terhadap Implementasi Konservasi dalam Pemanfaatan Ruang: Studi Kasus Kasepuhan Ciptagelar, Kabupaten Sukabumi. Jurnal Perencanaan dan Wilayah Kota B, SAPPK-ITB, V5N1, hal 59-69
Rismana, G. A., & Argo, T. A.
- Pemetaan Prioritas Penanganan Bencana Banjir Rob Terhadap Pertanian Dengan Menggunakan Skema Asuransi Mikro Bencana di Kecamatan Kandanghaur, Kabupaten Indramayu, Jurnal Perencanaan dan Wilayah Kota B, SAPPK-ITB, V5N1, hal 257-266.

Zahara, R., & Suroso, D. S. A.
- Adaptasi Perkebunan Kelapa Sawit dan Karet Terhadap Perubahan Iklim di Kabupaten Ogan Komering Ulu (OKU), Jurnal Perencanaan dan Wilayah Kota B., SAPPK-ITB, V5N1, hal. 195-202

Wahyuni, H., & Suroso, D. S. A.

Mayzonny, H. & Suroso, D. S. A.
- Kajian Risiko Perubahan Iklim Terhadap Penyakit Demam Berdarah Dengue (Studi Kasus: Kecamatan Goyang dan Semarang Timur, Kota Semarang), Jurnal Perencanaan dan Wilayah Kota B., SAPPK-ITB, V4N3, hal. 535-541

Harahap, S. M., & Suroso, D. S. A.

Suroso, D. S. A., Hadi, T. W., Latief, H. & Riawan, E.
- Pola Kerentanan Pesisir Indonesia Terhadap Dampak Perubahan Iklim Sebagai Basis Perencanaan Adaptaio”, TATALOKA, 13(2), 108-118

Firmansyah, I. & Salim, W.
- 2016, “Perkembangan Kawasan Peri-Urban dalam Kerangka Dekonsentrasi Industri di Wilayah Metropolitan Bandung Raya, Jurnal Perencanaan dan Wilayah Kota A., SAPPK-ITB, V5N1, hal. 119-131

Nurrahmawati, N. & Salim, W. A.
- Pengaruh Desentralisasi Fiskal terhadap Pelayanan Publik Sektor Kesehatan di Indonesia, Jurnal Perencanaan dan Wilayah Kota A., SAPPK-ITB, V5N1, hal. 163-173

2015

Aritenang, A. F.

Santoso, E., Purboyo, H. & Tjokropandojo, D. S.
- The Understanding of Growth of Transport-Stop Node on Development Axis as Base of Development of New Strategy of Local Development, Jurnal Studi Pemerintahan, 4(2).

Talitha, T. & Hudalah, D.

Tjokropandojo, D. S. & Soepriadi, I. F.

International Proceeding

2015

Hudalah, D.
- Land market and policy for housing the urban poor: A tale of two cities. Paper to be presented at the Indonesia Update 2015 “Land and development in Indonesia: searching for the people’s sovereignty”, Canberra, Australia

Hudalah, D.
Summer Camp Program at Kampung Naga, Tasikmalaya, 2016
Urban Planning and Design Research Group (UPDRG) is an expertise group within the school of Architecture, Planning and Policy Development – Institut Teknologi Bandung (ITB), specializing in research and practical field of urban planning and design.

It is concerned with promoting humane and sustainable forms of urban development, understanding rapid urbanization and encouraging innovation in the policy, planning and management responses to the economic, social and environmental development of cities and regions in Indonesia.

The central purpose of UPDRG is to apply consulting and policy advice to governments and private sector, of which the knowledge are accumulated for academic and teaching activities in the Department of Urban and Regional Planning.
Roos Akbar
Professor
Ir. (ITB), M.Sc. (ITC), Ph.D. (Queensland).
Urban land use planning and management; planning information system; geographical information system

Haryo Winarso
Professor
Ir. (UGM), M.Eng. (AIT), Ph.D. (UCL).
Land, housing and property development; urban design; inner-city redevelopment; planning theory; peri-urban development

Denny Zulkaidi
Associate Professor
Ir. (ITB), MUP. (McGill), Dr. (ITB).
Urban planning and design; planning law and institution; land management; development and design control

Iwan Kustiwan
Associate Professor
Ir., MT. (ITB), Dr. (UI).
Urban environment planning and management; urban spatial planning and management; land and housing development and management

Nia Kurniasih Pontoh
Associate Professor
Ir., MSA. (ITB).
Housing and settlement; urban planning

Ridwan Sutriadi
Associate Professor
ST., MT. (ITB), Ph.D. (Florida).
Urban and land use planning; urban structure and pattern; ICT in urban areas

RM. Petrus Natalivan Indradjati
Assistant Professor
ST., MT. Dr. (ITB).
Urban planning and design; site planning, development and design control; urban history and development; urban form and transportation

Sugiyantoro
Instructor
Ir. (ITB), MIP. (Stuttgart), Ph.D. Candidate (UCL).
Urban infrastructure planning, policy and management; urban development planning and policy; inner city revitalization

Niken Prilandita
Instructor
ST. (ITB), M.Sc. (AIT), Ph.D. (Kyoto).
Urban environmental management; urban planning; energy science.

Rina Priyani
Instructor
ST. (ITB), M.Eng. (AIT), Ph.D. Candidate (UC Berkeley)
Urban planning; conservation of urban environment; tourism planning

Bagas Dwipantara Putra
ST. (UNPAR), MT. (ITB), Ph.D. Candidate (RMIT).
Urban design, urban kampung, low income settlement, urban minorities, qualitative research

Farida Khuril Maula
ST. (ITB) M.Sc. (AIT).
Urban environmental management; statistics planning; planning information system; geographical information system
Research Activities

2015

Winarso, H.
- Model Land Banking untuk Pengembangan Lahan dan Infrastruktur di Indonesia

Pontoh, N. K.
- Pengembangan Pariwisata Kreatif sebagai Paradigma Baru Wisata Perkotaan

Indradjati, P. N.
- Potensi dan Peluang Pengembangan Transit-Oriented Development di Kawasan Perkotaan Cekungan Bandung

Sutriadi, R.
- Pengaruh Pengembangan Kawasan Teknopolis Terhadap Inovasi Pengembangan Kawasan

Indradjati, P. N.
- Sediaan, Kebutuhan dan Peluang Pengembangan Transportasi Tidak Bermotor di Perkotaan Berdasarkan Karakteristik Sosial, Ekonomi dan Karakter Kota untuk Pengembangan Sistem Transportasi Berkelanjutan

Akbar, R.
- Pemanfaatan Aplikasi Sistem Informasi Geografis (SIG) Dalam Penentuan Kebijakan Rayonisasi Fasilitas Pendidikan (Studi Kasus: Sekolah Menengah Atas di Kota Bandung)

2014

Zulkaidi, D.
- Potensi Pengembangan Ruang Terbuka Hijau sebagai Mitigasi terhadap Perubahan Iklim di Kawasan Perkotaan: Studi Kasus Kota Bandung

Kustiwan, I.
- Keberlanjutan Kampung Kota dalam Strategi Regenerasi Perkotaan Studi Kasus: Kawasan Pusat Kota Bandung

Pontoh, N. K.
- Pengembangan Creative Tourism dalam Pembentukan Citra Sebuah Kota (Studi Kasus: Kota Bandung)

Sutriadi, R.
- Optimalisasi Infrastruktur Hijau Skala Perumahan melalui Peningkatan Peran Jejaring Komunikasi (Network Code) dalam Konteks Penataan Ruang di Kawasan Pinggiran Kota Bandung

Indradjati, P. N.
- Potensi dan Peluang Pengembangan Transit-Oriented Development di Kawasan Perkotaan Cekungan Bandung

Sugiyantoro
- Studi Carbon Footprint pada Berbagai Aktivitas di Kawasan Perkotaan: Peluang Tindakan Pengurangan Emisi dan Peningkatan Daya Serap CO2 Melalui Optimalisasi Penyediaan Ruang Terbuka Hijau (Studi Kasus Kawasan Perkotaan Bandung)

Scientific Publications

2015

Pontoh, N. K., Hudalah, D. & Indradjati, P. N.
- Dasar-Dasar Survei Perencanaan Wilayah dan Kota Bandung

Sutriadi, R.
- Studi Identifikasi Penyusunan Sistem Ranking Kota Komunikatif Di Provinsi Jawa Barat Berdasarkan Elemen-Elemen Jejaring Komunikasi Dalam Konteks Proses Perencanaan Kota
- Reformulasi Peran Kota-kota Kecil Untuk Mendukung MP3EI dengan Meningkatkan Akses Infrastruktur Fisik Serta Teknologi Informasi dan Komunikasi (TIK)

Indradjati, P. N.
- Sediaan, Kebutuhan dan Peluang Pengembangan Transportasi Tidak Bermotor di Perkotaan Berdasarkan Karakteristik Sosial, Ekonomi dan Karakter Kota untuk Pengembangan Sistem Transportasi Berkelanjutan
- Perluasan satu tahun (2015)
International Accredited Journal

2016
Hudalah, D., Winarso, H. & Woltjer, J.
• Gentrifying the peri-urban: Land use conflicts and institutional dynamics at the frontier of an Indonesian metropolis

2015
Basuki, Y., Akbar, R. & Miharja, M.
• Do Online Activities Still Need Physical Movement? Towards Inclusive Transportation for Indonesian Women Online Communities
Martokusumo, W. & Zulkaidi, D.
Winarso, H., Hudalah, D. & Firman, T.
• Peri-urban transformation in the Jakarta metropolitan area

2014
Sutriadi, R., Kaisar, M. C. & Aulia, A.
• Social Vulnerability Analysis of Island City to Natural Hazard As The Impact of Climate Change

International Proceeding

2015
Kustiwan, I., Ukrin, I., & Aulia, A.
• Identification of the Creative Capacity of Kampong’s Community towards Sustainable Kampong (Case Studies: Cicadas and Pasundan Kampong, Bandung): A Preliminary Study.

Widyahari, N. L. A. & Indradjati, P. N.
• The Potential of Transit-Oriented Development (TOD) and its Opportunity in Bandung Metropolitan Area

2014
Indradjati, P. N. & Maula, F. K. & Hotasina, C. Y.
• The Use of Non-Motorized Vehicles in Developing Urban Tourism: A Case Study in Yogyakarta City, Indonesia. (International Conference on Urban and Regional Planning, Universiti Teknologi Malaysia 2014).
Sutriadi, R., Pradana, A. C. & Aulia, A.
• Understanding the role of official city website in enhancing image communication in information era. The case study of large sized cities in Indonesia. (International Conference on Urban and Regional Planning, Universiti Teknologi Malaysia 2014).
Sutriadi, R., Aulia, A. & Prabowo, M.
• Network codes in understanding spatial planning issues at the city border. The case study of Bandung Metropolitan Area Inner City Border. (International Conference on Urban and Regional Planning, Universiti Teknologi Malaysia 2014).
Sutriadi, R.
• Spatial Pattern of Social Vulnerability to Natural Hazard in Island CityThe Case Study of Flood Hazard in Batam City, Riau Archipelago. (1stAUN/SEED-Net Regional Conference on Natural Disaster, Yogyakarta, 22-23 January 2014).
Regional & City Infrastructure System Research group (RCIS-RG), School of Architecture, Planning and Policy Development (SAPPD), Institut Teknologi Bandung (ITB) is a group of expertise within the faculty which consists of professors and researchers interested in transportation and infrastructure planning as well as its policy implication to urban development.

Together with the other expert groups in the faculty, RCIS-RG supports academic activities at the Department of Urban and Regional Planning and the Department of Transportation. Students at all level (undergraduate and graduate) interested in various topics concerning infrastructure and transportation planning, policy, and management are encouraged to undertake their academic activities under the supervision of our members.

Furthermore, RCIS-RG cordially invites you to co-operate with RCIS-RG particularly in research, collaborative seminar, or exchange activities in relation to transport and infrastructure planning, policy, and management. RCIS-RG offer collaborative activities based on mutual benefit principle.

International Proceeding

2015
Sri Maryati, ST, MIP, Dr.

International Accredited Journal

2016
H eru Purboyo Hidayat P., Ir., DEA, Dr.

National Accredited Journal

2016
Sri Maryati, ST, MIP, Dr.
• Keterkaitan Karakteristik Pelayanan Infrastruktur Persampahan dan Tingkat Pendapatan di Metropolitan Bandung Raya, 2016
Miming Miharja  
Associate Professor  
Ir. (ITB), M.Sc.Eng.  
(Leeds), Ph.D (RUG).  
Urban and regional planning; transportation planning

Heru Purboyo Hidayat P.  
Associate Professor  
Ir. (ITB), DEA,  
Dr. (Paris VIII).  
Urban and regional planning; infrastructure management

Ibnu Syabri  
Associate Professor  
B.Sc., M.Sc. (Kentucky),  
Ph.D. (Illinois).  
Regional science; RS and GIS; transportation simulation and modeling

Sri Maryati  
Associate Professor  
ST. (ITB), MIP. (Stuttgart),  
Dr. (ITB).  
Urban and regional planning; infrastructure planning

Binsar PH Naipospos  
Associate Professor  
Ir., MSP. (ITB), Dr. (ITB).  
Urban and regional planning; transportation and infrastructure planning

Iwan Pratoyo Kusumanioro  
Assistant Professor  
Ir., MT., Dr. (ITB).  
Urban and regional planning; transportation and infrastructure planning

Shanty Y. Rachmat  
Assistant Professor  
ST. (ITB), MT. (ITB),  
M.Sc. (Groningen), Ph.D.  
(Florida)  
Transportation & landuse interaction; transportation demand management;

Subarkah  
Assistant Professor  
Ir., MT. (ITB)  
Transportation planning; facilities layout planning; entrepreneurship

I Gusti Ayu Andani  
Lecturer  
ST., MT. (ITB), Ph.D.  
Candidate (Twente).  
Transportation modelling

Maman Suryaman  
Instructor  
Ir. (Unpas), MT. (ITB).  
Urban and regional planning; transport planning
Policy Planning and Development Management (PPDM) is a research group established to accommodate faculty members with experience and interest in urban and regional development management, and policy planning.

Set up in 2005, this research division intends to contribute effectively to the enhancement of the scholarly scientific knowledge and the practice of policy planning and development management. The research group continuously strives to develop, manage, and deliver knowledge, skills, and attitudes towards effective policies and plans that are relevant to respond the dynamics of issues and problems in local, regional, and national contexts. Supported by highly competent human resources, PPDM seeks to provide insights in bringing the economy, prosperity, modernity, and sustainability for the people.

Key specialization: metropolitan governance, urban management, development management, urban public finance, development finance, planning evaluation, smart city development, urban governance institution, public-private financing, fiscal impact analysis, local preference analysis, urban politics, policy analysis, disaster mitigation.
Benediktus Kombaitan
Professor
Ir. (ITB), M.Sc. (Wisconsin-Madison), Dr. (ITB).
Development management in land use, transportation and related environmental issues

Sonny Yuliar
Associate Professor
Ir. (ITB), Ph.D. (ANU).
Technology governance and policy; innovation and development policy; actor-network theory

Andi Oetomo
Assistant Professor
Ir. (ITB), MPI. (Adelaide).
Public policy planning; development institution and financing; coastal development management; conflict management in planning

Happy P. Fadjaruddin A.
Instructor
ST. (ITB), MT. (ITB), Ph.D. Candidate (Unpad).
Urban policy and management

Harkunti Pertiwi Rahayu
Assistant Professor
Ir. (ITB), Dr. (Kochi).
Disaster risk reduction master planning, damage reduction system; contingency planning for city; early warning system

Johnny Patta
Assistant Professor
Ir. (ITB), MURP. (Colorado), Ph.D. Cand. (Rutgers).
Metropolitan governance; urban, local public and development finance; urban and local politics; fiscal decentralization

Puspita Dirghayani
Assistant Professor
ST. (ITB), M.Eng., Dr.Eng. (Univ. of Tokyo).
Urban planning; urban transportation policy and management

Suhirman
Assistant Professor
Drs., SH. (Unpad), MT. (ITB), Dr. (ITB).
Participatory planning and action research; policy and budgeting; institutional design and development

Adenantera Dwicaksono
Instructor
ST. (ITB), M.Ds. (Melbourne), Ph.D. Cand. (SUNY at Albany).
Public financing; institutional & public policy development.

Nurrohman Wijaya
Instructor
ST. (ITB), MT. (ITB), M.Sc. (AIT), Ph.D. Candidate (AIT).
Urban and regional planning; urban environmental management; climate change adaptation in urban area

Andi Oetomo
Assistant Professor
Ir. (ITB), MPI. (Adelaide).
Public policy planning; development institution and financing; coastal development management; conflict management in planning

Policy Planning and Development Management

Puspita Dirghayani
Assistant Professor
ST. (ITB), M.Eng., Dr.Eng. (Univ. of Tokyo).
Urban planning; urban transportation policy and management

Andi Oetomo
Assistant Professor
Ir. (ITB), MPI. (Adelaide).
Public policy planning; development institution and financing; coastal development management; conflict management in planning

Suhirman
Assistant Professor
Drs., SH. (Unpad), MT. (ITB), Dr. (ITB).
Participatory planning and action research; policy and budgeting; institutional design and development

Adenantera Dwicaksono
Instructor
ST. (ITB), M.Ds. (Melbourne), Ph.D. Cand. (SUNY at Albany).
Public financing; institutional & public policy development.

Nurrohman Wijaya
Instructor
ST. (ITB), MT. (ITB), M.Sc. (AIT), Ph.D. Candidate (AIT).
Urban and regional planning; urban environmental management; climate change adaptation in urban area
Research Activities

2015
Furqan, A.
- Ketahanan Sektor Ekonomi Pariwisata Terhadap Potensi Bencana Gunung Api Guntur Studi Kasus: Objek Wisata Cipanas, Garut

Oetomo, A.

Wijaya, N.
- Kerentanan masyarakat terhadap sektor sumber daya air akibat perubahan iklim di Perkotaan Semarang (Studi Kasus: Kota Semarang)

Dirgahayani, P.
- Penguatan Kebijakan Transportasi dalam Meningkatkan Keselamatan Bersepeda (Studi Kasus: Kota Bandung)
- Kegiatan Kajian Bidang Pemerintahan Pekerjaan Penyusunan Standar Operasional Prosedur (SOP) Kegiatan Penelitian, Pengembangan dan Inovasi Daerah
- Revitalisasi Fungsi Edukasi Taman Lalu Lintas Ade Irma Suryani Nasution Bandung

Suhirman
- Budget Games : Inovasi Metode Partisipasi dalam Musyawarah Desa

Suhrman

- Pemanfaatan Role-Playing Game sebagai Pendukung Perencanaan Partisipatif Perkotaan

Scientific Publications

2015
Dirgahayani, P., Syabri, I., & Waluyo, N. P.
- Land Governance for Equitable Transit Oriented Development in Densely Built Urban Area (Case Study: Jakarta, Indonesia).

Wijaya, N.
- Barriers to integrating climate change adaptation into urban development in Indonesia", PEOPLE: International Journal of Social Sciences, Special Issue, Volume 1, Issue 1, December 2015, Pages 927-941

National Accredited Journal

2015
Wijaya, N.
• Climate change adaptation measures in the coastal city of Semarang, Indonesia: current practices and performance, Jurnal Perencanaan Wilayah dan Kota, Volume 26, Issue 1, April 2015, Pages 28-42

International Proceeding

2015

Ekomadyo, A. & Yuliar, S.
• Social Reassembling as Design Strategies", Procedia-Social and Behavioral Sciences, 184, 152-160

Nurlaila, I., Yuliar, S., Kombaitan, B. & Madyo, A. E.

Wijaya, N.
• Integrating climate change adaptation into urban development", 13th International Conference on Social Science Research (ICSSR), 18-19 December 2015, Bangkok, Thailand

• Water security in urban coastal area under urbanization and climate change: Lesson study from Semarang City, Indonesia", International Expert Workshop, 19-20 November 2015, Phnom Penh, Cambodia

• Assessing the potential impacts of climate variability and change in the coastal city: a case study of Padang City, Indonesia", Regional Forum on Climate Change (RFCC), 1-3 July 2015, Bangkok, Thailand

Discussion with local government (doc. Kustiwan, 2015)
ECONOMIC SYSTEM AND MODELLING

Economic system and modelling is a research division that collected faculty members with experience and interest in infrastructure planning, marketing management, economic visual modeling and economic development system.

Set up in 2013, this research division intends to help government and decision maker in term of policy analysis. The research group strives to sort out complicated chains of cause and effect and influence between the numerous interacting elements in an economy involving various agencies and institutions that are linked within the system. Supported by highly competent human resources, this group seeks to provide insights for a better and sustainable finance and economic organizations.

Key specialization: Infrastructure planning, economic and infrastructure management, economic modelling and methodology, economic development system, economic theory, Aggregate Supply – Aggregate Demand (AS/AD) model, loanable funds model, simulation model, and the IS/LM Model.
Muhammad Tasrif  
Associate Professor  
Ir. (ITB), MEng. (AIT), Dr. (ITB).  
System dynamics modeling; policy analysis.

Munadjat  
Assistant Professor  
S.Pd. (STKIP), MM. (Unwim), Dr. (Unpad).  
Economic / Marketing Management.

Siti Herni Rochana  
Assistant Professor  
Ir. (IPB), MSi. (IPB), Dr. (Unpad).  
Regional and urban economics; decentralization; fiscal policy; spatial economics.

Yogi Makbul  
Professor  
Ir., MS., Dr. (Unpad).  
Agriculture economics.

Muhammad Tasrif  
Associate Professor  
Ir. (ITB), MEng. (AIT), Dr. (ITB).  
System dynamics modeling; policy analysis.

Munadjat  
Assistant Professor  
S.Pd. (STKIP), MM. (Unwim), Dr. (Unpad).  
Economic / Marketing Management.

Siti Herni Rochana  
Assistant Professor  
Ir. (IPB), MSi. (IPB), Dr. (Unpad).  
Regional and urban economics; decentralization; fiscal policy; spatial economics.

Yogi Makbul  
Professor  
Ir., MS., Dr. (Unpad).  
Agriculture economics.
Research Activities

2016
Nugraha, D.
• Penggunaan Manajemen Biogas Pedesaan Sebagai Metode Pengurangan Limbah Pertanian, Studi Kasus : Di Kawasan Bandung Utara

2015
Nugraha, D.
• Potensi Ekonomi dari Penyediaan Energi Pedesaan dengan Biogas dari Peternakan Masyarakat

Tasrif, M.
• Ekonomi Hijau, Produksi Bersih, dan Ekonomi Kreatif : Pendekatan Pemberdayaan Usaha Kecil Berbasis Agribisnis Menuju Pertumbuhan Ekonomi Berkelanjutan di Provinsi Jawa Barat

Munadjat

Pradono
• Model Pemberdayaan Ekonomi Masyarakat melalui Pariwisata
• Kegiatan Kajian Bidang Pemerintahan Pekerjaan Kajian Sistem Inovasi Daerah Berbasis Pemberdayaan Masyarakat di Kota Bandung.

2014
Pradono
• Model Pemberdayaan Ekonomi Masyarakat melalui Pariwista (Studi Kasus : Kawasan Puncak).

International Accredited Journal

2016
Munadjat

2015
Makbul, Y., Pradono, Ratnaningtyas, S., Dwiyantoro, P.
• The effect of Market structure on the integration of rice prices with paddy prices and its impact on farmers family income in the Kroya district, indramayu regency, Indonesia”. The Journal of Developing Areas, 49(3), 217-228.

Zen, T. S., Pratiwi, I. R., Dwiyantoro, P., Bangsa, I. T. H,
• Management Strategy Manufactur Audit Going Concern in Predicting Failure Using Z Score Business Model (Cases study Industry Manufactur in West java Province Indonesia)”. International Foundation for Research and Development (IFRD), 126.

Abdulla, I., Arshad, F. M., Bala, B. K., Noh, K. M. & Tasrif, M.

Makbul, Y., Ratnaningtyas, S. & Dwiyantoro, P.
• Prices Cointegration Analysis between Rice and Paddy in Indonesia: A Preliminary Study. Journal of Business and Economics, ISSN 2155-7950, USA. March 2014, Volume 5, No. 3.

National Accredited Journal

2016
Munadjat, Tasrif, M. & Bayu, K.
• Model Orientasi Kewirausahaan dalam Mendukung Pengentasan Kemiskinan dan Pengangguran di Perdesaan. Jurnal Ilmu-Ilmu Sosial dan Humaniora (Journal of Social Sciences and Humanities), Volume 18 No. 1, Maret 2016. ISSN 1411-0911.

International Proceeding

2016
Purwanda, E. & Rochana, S. H.
2015
Rochana, S. H.

2014
Tasrif, M.

National Proceeding
2015
Triyasa, A.
Architecture ITB students learned bamboo construction using reciprocal system for creative market in Serang, Banten Province during Summercamp 2015

(courtesy of Widyowijatnoko, 2015)
1 - 3, Summercamp in Mandalika, Lombok, 2016, a tourism area at West Nusa Tenggara (doc. Furqan, 2016)

4 - 6, Summercamp in Bali, 2014 with the theme of tourism planning associated with public space in Bali. This activity was a collaboration with Gianyar Recency. (doc. Furqan, 2014)

Various publications of SAPPD-ITB: student's portfolio books for undergraduate & master; learning modules of healthy, safety, security and environment; tourism development books
EXCURSIONS

1. Field trip to Environmental Geology Course
2. Field trip of urban farming and recycle material usage in buildings at Greenhost, Yogyakarta
3. Students visit to Rumah Sanur, the homebase of Bali creative community
4. Freshman students visiting Kota Baru Parahyangan, suburb of Bandung
5. Field trip of specific construction of an artist house designed by prominent architect in Yogyakarta
6. Tourism survey in Yogyakarta
7. Development Studies students field trip to South Sulawesi
8. Transportation students field trip to MRT project in Jakarta
9. Urban and Regional Planning students field trip to Central Batik in Semarang
Documentation of various Summercamp Programs
SAAPD participates and becomes host of various exhibitions

1. SAPPD photography competition is held annually
2. Architecture exhibition of Think Global - Build Social, Architecture for a Better World, curated by Goethe Institute, in the gallery of Architecture Program, SAPPD - ITB 2015
3. SAPPD ITB's artworks were displayed at Indonesialand, curated by Sarah Ginting and Yuswadi Saliya in the Sunaryo Art Gallery, Bandung, 2016
1. Archive room of the Architecture Program
2. Lobby of Architecture Program
3. Gallery for exhibitions and also public lectures and workshops
4. Virtual Reality tools for computational design
5. Administration office of Architecture Program
6. Student's Discussion room
7. Lecturers offices
8. Computational Design Lab
9. Drawing studio in Architecture Program
1. Computer Lab at Urban and Regional Planning Program
2. Discussion Room at Urban Design Studio
3. Library at Architecture Program
4. The teleconference equipments
5. Library at Urban and Regional Planning Program
6. Multipurpose hall at SAPPD building
7. Amphitheater, for performances and workshops
8. Meeting Room at Jatinangor Campus
9. Canteen and Stationary
## LIBRARIES

### Architecture Program Library Collection

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STAFFS

Section Head
Dede Koswara, ST

Sub-Section Head of Academic Administration
Dudi Suryadi

Sub-Section Head of Information System
Moh Ariful Rahman

Sub-Section Head of Finance
Mulytati Rahayu, S.Sos

Sub-Section Head of Human Resources
Poppy Juhroniah, S.Sos.

Sub-Section Head of Infrastructure & Facilities
Kokom Komariah A.Md

Academic Administration
Eming Kamir
Budi Saputra
Dedah Djubaedah
Irma Ramdhayani
Agus Dodi
Wati Sukiwati
Nunung Maulani, SPd
Jeane Rantung, SE.
RMI Sosrowinarsito
Fitri Handayani
Yanti Suheryanti
Ifan Muhammad Fajar
Titi Purwanti, SE.

Administration Staff
Sudrajat, A.Md

Technician
Gagan Irana
Adang Deni Sunarya, A.Md.
Yayat Sumardi
Muhammad Nasirudin
Gunawan
Arie Dirgantara
Adila Riansa

Library Administration
Edje

Librarian
Yoninur Amira, S.Sos.
Dra. Ipah Saripah

Finance Administration - Treasurer Section
Rina Agustina S.IP

Finance Administration - Accounting Section
Robby Hermawan

Finance Administration - Tax Section
Siti Aisyah

Finance Administration
Winda Djohar
Dra. Eliyaningsih
Pratiwi Pudjilestari
Tarsiad, SAP.
Indri Wahyuni, A.Md.

Human Resource Administration
Elli Amalia, SE.

Infrastructure & Facilities Administration
Djarwono

General Administration
Hawiyah
Tatang Safari
Yanti Nurhayati

Supporting Staff
Acep Wahyu H.
Sarnya
Carman
Sarwan
Sony Hidayat
Widi Kustiawanda
Ade Rahmat
Samsudin
Atay Idas
Entis Sutisna
Dani Supriyatna
Undang Cahyana
ARCHIPRIX SEA 2016

Selected architecture students from 7 countries in South East Asia participated in Archiprix SEA which was held at ITB. (doc. Kusyala, 2016)

1. Discussion of architectural education in Southeast Asia attended by representatives from schools of Architecture in Southeast Asia.
2. Participants of Archiprix SEA 2016 at Bandung

WAF Berlin 2016

Architecture students participated in World Architecture Festival (WAF), Berlin. (doc. Widyowijatnoko, 2016)

3. Discussion on housing and public facilities design of Kampong in Bandung as a competition entry
4. Student's Presentation at WAF, Berlin
1. Bamboo’s building designed by Dr. Andry Widyowijatnoko was awarded as selected public building of the year in Arcasia Awards, 2016
2. The Architecture students participated at Arcasia Forum

ARCASIA Hongkong 2016
Representatives of SAAPD in Arcasia Forum in Hongkong (Doc. Margono, 2016)

3. SAPPD students won gold medal in IS-CAPS, South Korea 2016
4. Presentation of SAPPD students in IS-CAPS, South Korea 2016

IS-CAPS Korea
Architecture Students as Representatives of Indonesia in IS-CAPS (Doc. Utami, 2016)
Architecture student association together with Urban and Regional Planning student association are active in academic seminar activities, discussion with local people to build their facilities, and making artwork projects.

1. Urban Motion Seminar held by Urban and Regional Planning student association
2. Discussion with local people for the improvement of facilities in their neighborhood
3. Anniversary of Architecture Student Association
4. Seminar on green building organised by Architecture Student Association with special guest lecture by Ken Yeang from Malaysia
1. Illustrative Guidelines of Building and Environmental Management Plan (RTBL) of Geotourism Rammang-Rammang is one of collaboration works between SAPPD and Faculty of Earth Sciences and Technology, ITB.

2. Bird eye view: Design of aesthetic elements of Kerinduan Bridge, Sungai Penuh City, Jambi

3. Perspective view of aesthetic elements of Kerinduan Bridge, Sungai Penuh City, Jambi
The masterplan of National Observatory in Timau and masterplan of Science Centre in Tilong, was both a community service project of LAPI ITB. These projects was conducted in 2016 by a multidisciplinary team, in which the School of Architecture, Planning and Policy Development was in charge of planning and design with the supports of expertise from Faculty of Mathematics and Natural Sciences, Faculty of Civil and Environmental Engineering, Faculty of Earth Sciences and Technology, and School of Life Sciences and Technology.

1. Perspective of the Masterplan of Science Center in Tilong, Regency of Kupang, East Nusa Tenggara Province.
2. Bird eye view of the Masterplan of Science Center in Tilong, East Nusa Tenggara Province.

(courtesy of Martokoesoemo, 2016)
CAMPUS

Development Studies

Labtek IX-A

Labtek IX-B

Institut Teknologi Bandung Ganea Campus

Landscape Architecture

Institut Teknologi Bandung Jatinangor Campus

(courtesy of ITB; 2015)
ITB campus facilities in Ganeca, Bandung

Campus centre is the main place of student activities, West Hall (Aula Barat) is one of heritage buildings in the city of Bandung, Labtek buildings are places for lectures, workshops, and discussions equipped with fast internet access.

(courtesy of Soelaiman, 2016)
Bandung is one of Indonesia’s metropolitan areas that also functions as the capital of West Java Province. It is surrounded by mountains and lush greenery with cool mountainous climate due to its high altitude. Bandung also has a long and rich colonial history, where in the old days Bandung earned the nickname as Parijs van Java because of its unique urban character which filled with numerous art-deco buildings.

In addition, Indonesia’s first technical school was established during the colonial period ‘Technische Hoogeschool te Bandoeng’ or currently known as Institut Teknologi Bandung. The first Asia-Africa conference in 1955 was held in this city, which signifies the milestone for anti-colonialism movement that was spreading throughout the colonized countries. Currently, Bandung is a well-known tourist destination, where millions of international and domestic tourist comes to shop and dine in many of Bandung’s unique local shops scattered around the city.

(courtesy of Kustiwan, 2015)
With more than 17,500 islands, 6,000 of them are inhabited, Indonesia is the largest archipelago in the world. About 240 million people live in this fourth most populous country in the world — after China, India and the USA — and by far the largest country in Southeast Asia. Straddling the equator, situated between the continents of Asia and Australia and between the Pacific and the Indian Oceans. Indonesia has about 300 ethnic groups, each with cultural identities developed over centuries. Indonesia also has the largest Muslim population in the world. Among the most well-known islands are Sumatra, Java, Bali, Kalimantan, Sulawesi, the Maluku Islands and Papua. Then, there is Bali, the world’s best island tourist destination. However, Indonesia still has many unexplored islands.

Indonesia has a well-preserved natural ecosystem with rainforests that stretch over about 57% of Indonesia’s land (225 million acres). Her wildlife ranges from the prehistoric giant Komodo lizard to the Orang Utan and the Java rhino, to the Sulawesi anoa dwarf buffalos. Indonesia has one of longest coastlines in the world, measuring 54,716 kilometres (33,999 mi). With 20% of the world’s coral reefs, over 3,000 different species of fish and 600 coral species, deep water trenches. Indonesia has 8 UNESCO World Heritage Sites, such as the Komodo National Park, Cultural Landscape of Bali, Ujung Kulon National Park, Lorentz National Park, Tropical Rainforest Heritage of Sumatra.