March of ITB

Gait thy steps, look forward
ITB, the image of Ganeça,
Surge thy strength, pursue thy dream
Thy devotion for the Country

Be prepared, and poised thy heart
Brace thy perseverance
Paces and endeavors, shall be testified
As Motherland’s desire

O son of the nation, man of arena,
Noble tasks ahead of thou
Spirit and perseverance
Ever be cultivated
Bright light shall come into sight

Verse:
Study the science and technology
Art and culture of the nation
Solid is thy disposition and sovereign is thy resolution
To arrive to the glorious era

Broaden thy wings, illuminate thy vision
Enlighten the sons of the Country
Guide Indonesia nation to be
Just, rich, prosperous

Advance, move forward, truthful scout
The cherished alma mater,
May thy be evermore steadily mature
Ever glorious and eternal

Music & lyrics: Drs. Ahmad Setiawan
Message from The Dean

The built environment plays a major role in sustaining our society’s development and the quality of our planet today. Today’s society, both at national and global levels, faces the global climatic change as an unavoidable challenge beyond our past experience. If we are to achieve the aim of a sustainable development, then we must understand the complex interactions between the built and natural environment. Understanding that relationship enables us to generate agendas for collective actions, which are both achievable and sustainable. Public institutions and private organizations that create and use the built environment and natural resources need to focus their efforts on the long-term perspective. Citizens, local communities and civil societies, through their democratic participation, can also influence policy development in a meaningful way. By the choices we make about our own lifestyle, we all can contribute to shaping a future for ourselves and for the common future of our planet.

The responsibility for furthering an understanding of the multidimensional and interactive impact of the built environment lies with its researchers, academicians and practitioners. Architects, urban designers, planners, development analysis and transportations managers need to develop the interdisciplinary perspectives to understand the relationship between global warming and our activities as shapers of the built environment. As a member of professions that contribute to the built environment, The School of Architecture, Planning and Policy Development (SAPPD) at Institut Teknologi Bandung (ITB) has a particularly important role to play. The perspective adopted by the school is a holistic one, focused on an attempt to understand the interaction between the different elements that make up the built environment. Interaction among researchers within the school, as well as engagements with international scientific community, are important mean to achieve that scholarly pursuit.

This Prospectus 2014 provides an introduction to The School of Architecture, Planning and Policy Development at ITB, exposing its education, research and community service activities, and other significant academic accomplishments. Since the late of 2013 we have implemented our new curricula within the faculty as a response to the changing landscape of higher education and dynamic context of our living environment. This is also part of our continuous improvement policy and our sincere intention to keep up with the latest issues of development.

I would like to invite you to explore this Prospectus of the School to experience more about our teaching, research activities, publications, events and staffs. Please feel free to give remarks and suggestions for future improvement.

Yours sincerely,

Prof. Dr. Ir. B. Kombaitan, M.Sc.
Dean
Content

March of ITB iii
Message from The Dean iv
Content v
Institut Teknologi Bandung 1
The School of Architecture, Planning, and Policy Development 3

Research Interest 7

Academic Program 63
Architecture 65
Urban & Regional Planning 75
Urban Design 87
Development Studies 91
Transportation 95
Defense Studies 101
Tourism Planning 105
Landscape Architecture 109

Hymne of ITB 113
About

Institut Teknologi Bandung

The present Institut Teknologi Bandung (ITB) main campus is the site of earlier engineering schools in Indonesia. Starting in 1920, Technische Hogeschool (TH) was founded in Bandung, which for a short time, in the middle forties, became Kogyo Daigaku. Soon after the birth of the Republic of Indonesia in 1945, the campus housed the Technical Faculty (including a Fine Arts Department) of Universitas Indonesia, with the head office in Jakarta. In the early fifties, a 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 Sukarno on March 2, 1959 by the Indonesian government 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...
About

The School of Architecture, Planning and Policy Development

The School was established on 29 August 2005 by a decree from Rector of ITB (No. 222/2005) which intends to re-organize academic units of ITB, adding the total numbers of faculty/school from 7 (seven) to 11 (eleven). However, the constituents of the school are not new, as it draws all academic programs and resources from 2 (two) existing departments (namely: Architecture, Regional and City Planning) previously under the Faculty of Civil Engineering and Planning, and 2 (two) existing academic programs (namely: Development Studies, Transportation) previously under the Faculty of Industrial Engineering.

The newly established school began to operate as an academic implementation unit responsible for education, research and community service activities starting from 1 January 2006, administering 11 (eleven) academic programs ranging from undergraduate to doctoral program, 8 (eight) research divisions, 82 (eighty two) faculty members, 44 (forty four) supporting staffs, and around 1410 students. In 2014 there are 13 (thirteen) academic programs ranging from undergraduate to doctoral program, 9 (nine) research divisions, 104 (one hundred and four) faculty members, 58 (fifty eight) supporting staffs, and ca. 1698 undergraduate and graduate students.

The School of Architecture, Planning and Policy Development (SAPPD) encompasses eight main professional disciplines: architecture, urban and regional planning, urban design, transportation, development studies, defense 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.

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

*John Dewey*
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 synergism 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 eight main professional disciplines: architecture, regional and city planning, urban design, transportation, development studies, defense studies, tourism planning and landscape architecture.

The School 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 professional and community life.

Advances in scientific knowledge is systematically integrated into roadmaps of 9 research divisions, 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.
Internationalization

Since the year 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 worldwide. Our strategic partners abroad include:

- England: Cranfield University
- 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, National Graduate Institute for Policy Studies (GRIPS), Yamaguchi University, Miyazaki University, Kitakyushu University
- USA: University of Florida, University of Hawaii, Manoa
- Malaysia: University of Malaya
- Cebu: University San Carlos, College of Architecture & Fine Arts

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),
Emeritus Professors

Djoko Sujarto
Emeritus Professor
Ir (ITB), MSc (Edinburgh), Dr (ITB)
Urban planning and design; new town

Mohammad Danisworo
Emeritus Professor
Ir (ITB), MArch (UCL Berkeley), MUP, PhD (U Washington)
Architectural and urban design, new town

Research Interest

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

**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**
- 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
SCHOOL OF ARCHITECTURE, PLANNING & POLICY DEVELOPMENT
INSTITUT TEKNOLOGI BANDUNG

Research Group
Regional and Rural Planning

Tommy Firman
Professor
Ir (ITB), MSc (AIT), PhD (Hawaii)
Decentralization and regional development; mega-urban region development; metropolitan governance; coastal city and adaptation to climate change

Arief Rosyidie
Professor
Drs (UGM), MSP (ITB), MArch, PhD (Leuven)
Tourism planning; disaster management; population and regional development

Delik Hudalah
ST, MT, MSc (ITB), PhD
Suburbanization; peri-urban and metropolitan planning; regional governance; planning theory

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

Djoko Santoso Abi Suroso
Ir (ITB), MPSt, PhD (Queensland)
Natural and rural systems management

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

Hasru Prabatmodjo
Ir (IPB), MS (Florida State), PhD (Queensland)
Rural and regional development; industrialization and industrial development; population, environment and development

Rintakasari Vitri Ayuningtyas
ST, MT

Saut Antua H. Sagala
ST (ITB), MSc (ITC), PhD (Kyoto Univ.)
Regional and urban planning; participatory and rural community planning; disaster management; quantitative analysis and GIS

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

Tubagus Furqon Sofhani
Ir (ITB), MA (ISS), PhD (Illinois)
Capacity building and regional development; diffusion of innovation and social network; climate change and regional development

Wilmar Salim
ST (ITB), MRegDev (Queensland), Dr (Hawaii)
Poverty and decentralization
Research Activities

2014
Tommy Firman
• Inovasi Pengelolaan Daerah di Era Desentralisasi

Arief Rosyidie
• Penguatan Komunikasi Kesiapsiagaan Masyarakat terhadap Ancaman Bencana Banjir di Das Citarum

Delik Hudalah
• Social Capital and Metropolitan Development Cooperation

Djoko Santoso Abi Suroso
• Perumusan Kerangka Kapasitas Adaptif Masyarakat terhadap Perubahan Iklim di Kawasan Pesisir Kota Semarang

Saut Artiuha H. Sagala
• Model Spasial Perubahan Alih Fungsi Lahan Basah dan PeniModel Spasial Perubahan Alih Fungsi Lahan Basah dan Peningkatan Kejadian Bencana Banjir di Wilayah Perkotaan Palembang
• Model Penyediaan Waduk Retensi yang Berkelanjutan untuk mengatasi Bencana Banjir di Kawasan Rawa (Studi Kasus: Perkotaan Palembang)

Teti Armiaty Argo
• Pemberdayaan Masyarakat Lokal dalam Mitigasi Bencana dengan Asuransi Mikro (Studi Kasus : Masyarakat Nelayan Desa Eretan Wetan, Indramayu)

Tubagus Furqon Soffhni
• Local Wisdom in Disaster Risk Reduction, Case Study West Sumatera and West Java Earthquake and Merapi Mount Eruption
• Pengarusutamaan Komponen Kesiapsiagaan Bencana dalam Proses Pembangunan Desa Sukamanah, Kecamatan Pangalengan

Wilmar A. Salim
• Industrial Deconcentration in Bandung Raya Metropolitan Area

2013
Tommy Firman
• Dinamika Urbanisasi di Indonesia 2000-2010
• Institusi, Budaya dan Kerjasama Pembangunan Wilayah pada Era Otonomi Daerah

Delik Hudalah
• Globalisasi dan Politik Suburbanisasi di Kawasan Metropolitan Jakarta
• Kerjasama Antar Daerah Berbasis Pendekatan Terpilah sebagai Solusi Penyelesaian Masalah Kota Metropolitan

Dewi Sawitri Tjokropandojo

Rintakasari Vitri Ayuningtyas
• Kerentanan Masyarakat Tani Tidak Berlahan

Saut Artiuha H. Sagala
• Pemahaman Risiko Masyarakat Terkait Bencana Gempa Bumi Akibat Sesar Lembang

Teti Armiaty Argo
• Adaptasi Nelayan terhadap Dampak Perubahan Iklim Berbasis Teknologi. Studi Kasus: Indramayu

Tubagus Furqon Soffhni
• Dukungan Modal Sosial dalam Proses Pemulihan Sosial Pasca Bencana: Studi Kasus Bencana Gempa di Kecamatan Pangalengan, Kabupaten Bandung

Wilmar A. Salim
• Dekonsentrasi Industri di Kawasan Metropolitan Gerbang Kertosusila

2012
Tommy Firman
• Pengembangan Lokal dalam Pemekaran Wilayah di Indonesia, 2000 – 2011 : Kajian Tingkat Kabupaten / Kota Secara Agregat

Arief Rosyidie
• Peran Pariwisata sebagai Penggerak Ekonomi Lokal di Kawasan Rawan Bencana Gunung Merapi

Delik Hudalah
• Urban Deconcentration sebagai Model Pengurangan Beban Kota Metropolitan Jakarta
• Gejala Post-suburbia di Jabodetabek

Dewi Sawitri Tjokropandojo
• Kajian Integrasi Aspek Modal Sosial dalam Pengembangan Ekonomi Lokal Pertanian untuk Menghadapi Tantangan Megaurbanisasi di Kabupaten Karawang dan Kabupaten Subang
• Pemantapan Mata Rantai Produksi Kawasan Industri Kabupaten Bekasi

Djoko Santoso Abi Suroso
• Kajian Sistem Sosial Ekologi di Kawasan Bandung Utara

Saut Artiuha H. Sagala
• Model Aksi Kolektif Penggunaan Remitan TKI untuk Adaptasi Perubahan Iklim di Indramayu
Tubagus Furqon Sofhani
• Model Pengembangan Desa Mandiri Energi Berbasis Penguatan Kapasitas Komunitas (Studi Kasus : Desa Harum Gombong, Kabupaten Sumedang & Desa Cinta Mekar, Kabupaten Subang)
• Pengembangan Inovasi Model Kelembagaan Pengelolaan Kawasan Industri Terintegrasi
Wilmar A. Salim
• Identifikasi Pemetaan Migrasi Keluar terhadap Tingkat Kemiskinan Kabupaten Indramayu

Scientific Publications

2014
Nia K. Pontoh, D. Hudalah

2013
D. Hudalah

Wilmar A. Salim

2012
Delik Hudalah, F. Z. Fahmi, T. Firman

K. Pribadi, D. Kusumastuti, Saut Aritua H. Sagala, R. Wimbardana

• Reducing Fatality Risks to Earthquake with Spatial Planning: Case Study of Bandung City in edited book by Anwar, H. Menyingkap Tabir Fenomena Bencana Seismic di Indonesia, Lembaga Ilmu Pengetahuan Indonesia (Book Chapter).

Teti Armiati Argo
• Bagian dari buku panduan: Pelaksanaan Pedoman Kajian Lingkungan Hidup Strategis (KLHS) di Indonesia. 2011 dibuat oleh KLH.

International Accredited Journal

2014
F.Z. Fahmi, D. Hudalah, P. Rahayu, J. Woltjer

R. LeGates, D. Hudalah
• Peri-urban planning for developing East Asia: Learning from Chengdu, China and Yogyakarta/Kartamantul, Indonesia. Journal of Urban Affairs36(s1), pp. 334-353.
2013
Tommy Firman

Delik Hudalah, Dimitra Viantari, Tommy Firman, Johan Woltjer

2012
Delik Hudalah, Tommy Firman

National Accredited Journal
2013
D. Hudalah,
• Communicative planning as institutional capacity building: From discourse/network to opportunity. Tataloka 15(2), pp. 76-90.

P. S. Permatasari, D. Hudalah

2012
Saut Aritua H. Sagala, A. Pratama, T. Argo, Asirin

Saut Aritua H. Sagala, R. Wimbardana, F. Prathama

Saut Aritua H. Sagala, H. Yasaditama

International Proceeding
2013
Delik Hudalah
• From Dorm to Shop: Mall Building and the Changing Structure of Jakarta Metropolitan Area. Presented at Transnational Retailers and Retail Change in Southeast Asia, Singapore, 13-14 December.

Richard LeGates, Delik Hudalah
• peri-urban planning for developing Asia. Paper presented at the Urban Affairs Annual Conference, San Francisco, 3-6 April.

2012
A. Pratama, Saut Aritua H. Sagala, I. Sani
• From Individuals to Collective Action: Social Capital’s Role in Increasing Foreign Labor Remittance Use for Climate Change Adaptation (Case Study in Indramayu Urban Area, West Java Province). International Conference on Sustainable Built Environment, Islamic University of Indonesia, Yogyakarta.

Anastasia Ratna Wahyuwijayanti, Saut Aritua H. Sagala
• Bounce Back after Volcano Disaster: The assessment of community’s capacity in restoring livelihood destruction. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Cindy Husena, Hastu Prabatmodjo
• Farmer Adaptation to Climate Change: Case of Sumedang, IRSA.
Delik Hudalah, Haryo Winarso, Johan Woltjer
• Gentrifying The Per-Urban: Conflicts and Planning Discourses on The Edge of Bandung Metropolitan Area. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Delik Hudalah, J. Woltjer, T. Firman

Delik Hudalah, J. Woltjer, T. Firman, D. Viantari
• Contesting the centrality of Jakarta: Have industrial centres promoted deconcentration? Paper to be presented at the International Geographical Congress (IGC), August 26-30, 2012, Cologne, Germany.

Djoko Santoso Abi Suroso, B. Kombaitan, Budhi Setiawan
• Exploring the Use of Risk Assessment Approach for Climate Change Adaptation in Indonesia: Case Study of Flood Risk and Adaptation Assessment in the Province of South Sumatra. The 3rd International Conference on Sustainable Future for Human Security SUSTAIN 2012 Kyoto University- Kyoto.

Djoko Santoso Abi Suroso
• Climate Change Adaptation for Managing the Risk of Extreme Event. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Eko Budi Santoso, Heru Purboyo, Dewi Sawitri Tjokropandojo
• How The Growth of Transport-Stop Node at Development Axes. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

• Influence of Attractiveness Toward Growth of Transport-stop Node at Development Axes. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

I. Sani, Saut Aritua H. Sagala
• Fishermen adaptation to Cope with Environmental Risks in Indramayu District. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

I. Sani, Saut Aritua H. Sagala, A. Pratama
• Factors Affecting Farmers Participation in Collective Action to Climate Change. International Conference on Sustainable Built Environment, Islamic University of Indonesia, Yogyakarta.

Johan Woltjer, Delik Hudalah

Luh Kitty Katherina, Tommy Firman
• Inter-Local Government Cooperation Under Indonesia’s Decentralization Reform: The Case of Inter-local Fiscal Transfer in Tourism Management in Bali.

Pribasari Damayanti, Wilmar A. Salim

R. Wimbardana, Saut Aritua H. Sagala
• Community Risk Perception to Lahar Impacts in Mount Merapi Disaster-Prone Area. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

• Understanding Social Recovery Process After Earthquake Disaster: The Challenges to Post Disaster Reconstruction Planning, International Conference on Sustainable Built Environment, Islamic University of Indonesia, Yogyakarta.

Ryan Hidayat, Johan Woltjer, Tubagus Furqon Sofhani
• Evaluating Community capacity in Community-Based Rural Infrastructure Projects. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Saut Aritua H. Sagala, J. Lassa, H. Yasaditama, M. Arisandy
• The evolution of risk and vulnerability of Jakarta Megacity: “Contesting Market vs Government Development Policy?” Symposium on Risk and Development in Rapid Emerging Economy, Beijing Normal University, China.

Saut Aritua H. Sagala, A. Rosyidie, A. Pratama, R. Wimbardana, Wijayanti
• Promoting Volcano Tourism in Hazard Zone Area for Rebuilding Local Economy: Case study of Tourism in Cangkringan Sub-District, Mt. Merapi, Yogyakarta. International Conference on Sustainable Built Environment, Islamic University of Indonesia, Yogyakarta.
Saut Aritua H. Sagala, R. Wimbardana, F. Prathama
- High Density Settlement Occupant’s Behavior and Preparedness to Fire Hazards. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Wahyu Widiyantmanto, Constanza Parra Novoa, Tubagus Furqon Sofhani
- Building Community Capacity in Rural Areas Through The Implementation of A System of Rice Intensification the Tasikmalaya Regency Case. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Wilmar A. Salim
- “Challenge in Mainstreaming Climate Change Adaptation into Development Planning: Experience from Indonesia”. Presented in Adaptation Futures 2012 International Conference on Climate Adaptation, University of Arizona, USA.
- “Decentralization in Indonesia: Lessons learned from the ‘Big Bang’ Approach”. Presented in EWCA International Conference, Peking University, Beijing, China.
- “Issues in Governance of Natural Disasters in Indonesia, A Brief”. Presented in Workshop on Natural Disasters and Governance, East-West Center, Honolulu, Hawaii.

National Proceeding

2012
Dewi Sawitri Tjkropandojo, Ishma Fatimah Soepriadi

Fanni Hartiani, Arief Rosyidie

Fernando Situngkir, Saut Aritua H. Sagala

Ihsan Maulana, Tubagus Furqon Sofhani

Maulita Dwasti Isnutomo, Arief Rosyidie

N Luh Asti Widyahari, Hastu Prabatmodjo

Putri Sugih Permatasari, Delik Hudalah

Yasin Yusup, Arief Rosyidie, Djoko Santoso Abi Suroso, Teti Armiati Argo
Research Group
Urban Planning and Design

Roos Akbar
Professor
Ir (ITB), MSc (ITC), PhD (Queensland)
Urban land use planning and management; planning information system; geographical information system

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

Haryo Winarso
Ir (UGM), MEng (AIT), PhD (UCL)
Land, housing and property development; urban design; inner-city redevelopment; planning theory; peri-urban development

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

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

Niken Prilandita
ST (ITB), MSc (AIT)
Urban environmental management; urban planning

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

Ridwan Sutriadi
ST, MT (ITB), PhD (Florida)
Urban and land use planning; urban structure and pattern; ICT in urban areas

Rina Priyani
ST, MT (ITB)
Urban planning; urban history and development; conservation of urban environment; tourism planning

Sugiyantoro
Ir (ITB), MIP (Stuttgart), PhD (Candidate – UCL)
Urban infrastructure planning, policy and management; urban development planning and policy; inner city revitalization; disaster, climate change, mitigation and adaptation
Research Activities

2014
Denny Zulkaidi
• Potensi Pengembangan Ruang Terbuka Hijau sebagai Mitigasi terhadap Perubahan Iklim di Kawasan Perkotaan: Studi Kasus Kota Bandung

Iwan Kustiwan
• Keberlanjutan Kampung Kota dalam Strategi Regenerasi Perkotaan Studi Kasus : Kawasan Pusat Kota Bandung

Nia Kumiaisih
• Pengembangan Creative Tourism dalam Pembentukan Citra Sebuah Kota (Studi Kasus: Kota Bandung)

Petrus Natalivan Indradjati
• Potensi dan Peluang Pengembangan Transit-Oriented Development di Kawasan Perkotaan Cekungan Bandung

Ridwan Sutriadi
• Optimalisasi Infrastruktur Hijau Skala Perumahan melalui Peningkatan Peran Jejaring Komunikasi (Network Code) dalam Konteks Penataan Ruang di Kawasan Pinggiran Kota 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)

2013
Denny Zulkaidi
• Penyusunan Basis Data Kawasan Cagar Budaya Kota Bandung

Iwan Kustiwan
• Potensi dan Kendala Pengembangan Perumahan Vertikal di Kawasan Perkotaan
• Peran Green Community dalam Mewujudkan Perumahan dan Permukiman yang Lebih Berkelanjutan

Petrus Natalivan Indradjati
• Kebutuhan Moda Transportasi Tidak Bermotor di Perkotaan Berdasarkan Karakteristik Sosial-Ekonomi, Akses pada Kendaraan Umum dan Bentuk Kota
• Pengaruh Konfigurasi Guna Lahan terhadap Pilihan Penggunaan Moda Transportasi Tidak Bermotor dengan Pendekatan Analisis Berbasis Kegiatan (Activity-Based Analysis)

Ridwan Sutriadi
• Studi Identifikasi Struktur Ruang Kota Pulo sebagai Antisipasi terhadap Resiko dan Adaptaion Perubahan Iklim
• Reformulasi Peran Kota-Kota Kecil untuk Mendukung MP3EI dengan Meningkatkan Akses Infrastruktur Fisik serta Teknologi Informasi dan Komunikasi (TIK)

2012
Iwan Kustiwan
• Restrukturisasi Bentuk Perkotaan untuk Efisiensi Energi
• Evaluasi Penyediaan RTH sebagai Infrastruktur Hijau Berdasarkan Tipologi Ukuran dan Posisi Kota dalam Ekoregion

Nia K. Pontoh
• Peranan City Branding sebagai Pembentuk Identitas Kota

Petrus Natalivan Indradjati
• Pengembangan Konsep Food Oriented Development (FOD) sebagai Alternatif Solusi Ketahanan Pangan di Kawasan Perkotaan
• Pengaruh Konfigurasi Guna Lahan terhadap Pilihan Penggunaan Moda Transportasi Tidak Bermotor dengan Pendekatan Analisis Berbasis Kegiatan

Ridwan Sutriadi
• Reformulasi Peran Kota-kota Kecil untuk Mendukung MP3EI dengan Meningkatkan Akses Infrastruktur Fisik serta Teknologi Informasi dan Komunikasi (TIK)

Rina Priyani
• Pengembangan Konsep Pariwisata Budaya Berbasis Masyarakat, Studi Kasus: Kota-Kota di Jawa Barat

Scientific Publications

2013
Petrus Natalivan
• Draft Buku Ajar “Pedestrianisation: Tinjauan Teori dan Praktek”

Roos Akbar
• Data dan Informasi dalam Proses dan Implementasi Perencanaan Tata Ruang

International Accredited Journal

2014
Ridwan Sutriadi, Muhammad Chandra Kaisar, Astri Aulia S.
• Social Vulnerability Analysis of Island City to Natural Hazard As The Impact of Climate Change
2012
Iwan Kustiwan, Astri Aulia S.
• Dynamic Modelling Of Tourism Attraction And Environmental Carrying Capacity, Case Study: Taman Bunga Cihideung Area–West Bandung Regency. Asean Journal on Hospitality and Tourism

National Accredited Journal

2013
Yudi Basuki, Roos Akbar, Pradono, Miming Mihardja
• Komunitas Online: Pergeseran terminologi komunitas dari Geddesian menuju era informasi dalam konteks perencanaan transportasi perkotaan. (Jurnal Tata Loka, Vol.15 No.1, Feb 2013).

2012
Iwan Kustiwan, Almira Ladimananda

International Proceeding

2014
Petrus Natalivan, Farida Khuril Maula, Cathelya Yosephine Hotasin
• 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).

Ridwan Sutriadi, Alvin Chris Pradana, Astri Aulia S.
• 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).

Ridwan Sutriadi, Astri Aulia, M. Prabowo
• 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).

Ridwan Sutriadi
• Spatial Pattern of Social Vulnerability to Natural Hazard in Island City The Case Study of Flood Hazard in Batam City, Riau Archipelago. (1stAUN/SEED-Net Regional Conference on Natural Disaster, Yogyakarta, 22-23 January 2014).

Widjaja Martokusumo, Denny Zulkaidi
• Heritage List: Some Notes on Area-Based Conservation, Lesson Learned from Bandung. (International Conference on Urban and Regional Planning, Universiti Teknologi Malaysia 2014).

2013
Roos Akbar
• Some issues on Data and Information in The Implementation of Spatial Plan. (Planocosmo international seminar).

Alia Rasmany, Astri Aulia S., Ridwan Sutriadi
• Accomodating The Role Of Small City Development In Economic Corridor of West Java’s Mp3ei. The Case Study Of Higher Education Center Of Jatinangor. (Planocosmo International Seminar).

Cathelya Y.H.Silaen, Petrus Natalivan Indradiati
• Indonesian Eco-Tourist Characteristics on Ecotourism Development, Case Study: South Bandung Tourism Area, West Java Province, Indonesia. (International Conference on Tourism and Culture in Asia 2013, Chiang Mai University, Chiang Mai, Thailand).

Ridwan Sutriadi, Anisa Nuriza, Astri Aulia S.
• The Possibility in Enhancing the Role of Mobile Technology for Better Planning Management after Civic Center Relocation. The Case Study of Governmental Employees of Kabupaten Sukabumi, West Java. (Planocosmo international seminar).

Ridwan Sutriadi, Muhammad Chandra Kaisar, Astri Aulia S.
• Social Vulnerability Analysis of Island City to Natural Hazard As The Impact of Climate Change. (the 1st AUN/SEED-Net Regional Conference on Natural Disaster).

Titis Mauliawati, Petrus Natalivan
• The Movement Pattern of Railway Station User as A Base of Integrated Station Development in Transit Oriented Development Areas (Case Studi; Depok Baru Station, Depok). International Conference 2nd Planocosmo, ITB Bandung.

Yudi Basuki, Roos Akbar, Pradono, Miming Mihardja
• Online Community and its Implication to Human Movement. (Planocosmo International Seminar).

2012
Roos Akbar
• Some Issues on Data and Information in the implementation of spatial plan. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.
Ali Akbar Fadallah, Nia K. Pontoh
- City Branding in Indonesia: A Case in Pekalongan City, Indonesia. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Alvian Chris Pradana, Ridwan Sutriadi
- Analysis of City Images Marketing Using Official City Website (Case Studies: Core Sities of Metropolitan in Indonesia). 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Fauzi Azman, Roos Akbar, Heru Purboyo, Denny Zulkaidi

Iwan Kustiwan, Astri Aulia S., Astinawaty
- Study of Linkages Between Urban Form and Transportation Energy Consumption in Bandung Metropolitan Area. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Muhammad Yunus, Nia K. Pontoh, Bagas Dwipantara P.

Nanda Ratna Astuti, Rina Priyani

Ridwan Sutriadi, Astri Aulia S., Babang Sugandhi
- Small Cities Development Profile in West Java, The Challenge in Implementing MP3EI and Infrastructure Development Toward Information Age. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Yudi Basuki, Roos Akbar, Pradono, Miming Miharja

National Proceeding

2013

Cathelya Y.H. Silaen, Petrus Natalivan Indradiati

Fran Sinatra, Iwan Kustiwan

Iwan Kustiwan, Afrizal Ramadhan

Iwan Kustiwan, Juliandru Yuska Qalbi, Adisti Madella Elmanisa

Petrus Natalivan Indradiati, Wahyuni Permata

Ridwan Sutriadi


Yudi Basuki, Roos Akbar, Pradono, Miming Miharja

2012

Denny Zulkaidi
- Pemahaman Konsep Eksternalitas untuk Pengendalian Kegiatan pada Lingkungan Binaan

Iwan Kustiwan, Afrizal R.
- Evaluasi Penyediaan RTH sebagai Infrastruktur Hijau Berdasarkan Tipologi Ukuran dan Posisi Kota dalam Ekoregion. Proceeding Green Regional Development melalui Pengembangan Teknologi dalam Mendukung Terwujudnya MP3EI, Universitas Trisakti, Jakarta.
Research Group
Regional and Urban Infrastructure Planning

Miming Miharja
Ir (ITB), MScEng (Leeds), PhD (RUG)
Regional and city planning; transportation planning

Binsar PH Naipospos
Ir, MSP (ITB), Dr (ITB)
City planning; transportation and infrastructure planning

Heru Purboyo Hidayat P.
Ir (ITB), DEA, Dr (Paris VIII)
Regional and city planning; infrastructure management

Ibnu Syabri
BSc, MSc (Kentucky), PhD (Illinois)
Regional science; RS and GIS; transportation simulation and modeling

Iwan Pratoyo
Kusumantoro
Ir, MT, Dr (ITB)
Regional and city planning; transportation and infrastructure planning

Maman Suryaman
Ir (Unpas), MT (ITB)

Shanty Yulianti Rachmat
ST (ITB), MT (ITB, Groningen), PhD (Florida)
Transportation & landuse interaction; transportation demand management; parking management

Sri Maryati
ST (ITB), MIP (Stuttgart), Dr (ITB)
Regional and city planning; infrastructure planning

Subarkah
Ir, MT (ITB)
Transportation planning; facilities layout planning; entrepreneurship
Research Activities

2014
Miming Miharja
- Identifying the Causes of Failure in Urban Public Transport on Institutional Perspective
- Pendekatan Daya Dukung Transportasi dalam Perencanaan Pembangunan Perkotaan di Indonesia

Hheru Puboyo Hidayat P.
- Development Axe Study and Its Implication in Establishing Regional Central Growth, Case Study: Southern West Java
- Intervensi Kelembagaan Penyediaan dan Pengelolaan Infrastruktur di Metropolitan Bandung: Tipologi Penyediaan dan Pengelolaan Infrastruktur Sistem Komunal di Perkotaan
- Studi Sumbu Pembangunan dan Implikasinya pada Pembentukan Pusat-pusat Pertumbuhan Wilayah, Studi Kasus : Jawa Barat Selatan

Iwan Pratoyo Kusumantoro
- Kinerja Pelayanan Infrastruktur untuk Mendukung Pencapaian Pembangunan Berkelanjutan

Sri Maryati
- Green Infrastructure Demand Model based on Spatial Plan: Implication for Spatial Control

2013
Miming Miharja
- Potensi Skema Park and Ride dalam Mereduksi Beban Lalu-lintas Kawasan Pusat Kota Bandung

Binsar PH Naipospos
- Indeks Akomodatif dalam Negosiasi pada Pekerjaan Kerjasama Pemerintah dan Swasta di Indonesia

Hheru Puboyo Hidayat P.
- Skala Optimal Sistem Komunal Pelayanan Umum Perkotaan

Iwan Pratoyo Kusumantoro
- Dampak Kehidupan Masyarakat terhadap Kebijakan Insentif dan Disinsentif

Pradono

Sri Maryati
- Model Kolaborasi Antar Aktor dalam Peningkatan Pelayanan Umum Perkotaan
- Pengembangan Ruang Terbuka Hijau Produktif dan Berwawasan Lingkungan di Daerah dengan Keterbatasan Lahan

2012
Heru Puboyo Hidayat P.
- Intervensi Kelembagaan Penyediaan dan Pengelolaan Infrastruktur untuk Meningkatkan Kualitas Kehidupan di Jabodetabek Area: Skala Optimal Penyediaan dan Pengelolaan Infrastruktur Terintegrasi

Ibnu Syabri
- Kajian, Rancangan dan Strategi Penerapan TOD di Kawasan Kota Metropolitan Indonesia
- Meningkatkan Nilai Tambah Produk Industri MP3EI Koridor Jawa melalui Kerjasama Perguruan Tinggi, Swasta dan Pemerintah
- Kebijakan dan Strategis Pengembangan Konektivitas Kawasan Jabodetabek dengan Pendekatan Pengembangan Kawasan Berbasis Transit

Sri Maryati
- Efisiensi Sektor Publik dan Swasta dalam Pengelolaan Pelayanan Kota

Scientific Publications

2014
Ibnu Syabri, Kiyoshi Kobayashi, Hayeong Jeong, Ismu Rini Dwi Ari

Ibnu Syabri

2013
Pradono, RA Wishnu, Diantara Kanti Pratami
- Taking Stock of PPP and PFI Around the World (Book Chapter: Pradono, RA Wishnu, and Diantara Kanti Pratami).

2012
Ibnu Syabri
- Embracing Paratransit in Bandung Metropolitan Area, West Java, Indonesia, Case study prepared for Sustainable Urban Mobility: Global Report on Human Settlements 2013 (Book Chapter (Available from http://www.unhabitat.org/grhs/2013)).
International Proceeding

2013

Binsar Naipospos

Sri Maryati

2012

Miming Miharja, Ophilia Larasati

Miming Miharja
• Institutional Development for Comprehensive Transport Planning in Indonesian Metropolitan Area. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Ibnu Syabri
• The Influence of Information and Communication Technology on Rural Economic Development in West Pasaman Regency, West Sumatera, Indonesia. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Sri Maryati, Heru Purboyo

Sri Maryati
• Optimal Scale of Water Supply Provision in Indonesia. 3th International Seminar on Tropical Eco Settlement.

Sri Maryati, Hendra Hendrawan, Heru Purboyo

Sri Maryati

Sri Maryati, Ketut Martha Erli D.

Sri Maryati

Sugiyono, Ibnu Syabri, Terry van Dijk

National Proceeding

2012

Miming Miharja

Miming Miharja

Ibnu Syabri, Handini
Joint Studio FHE, ITB and UGM - Yogyakarta, November 2014
Doc. Widjaja Martokusumo (top picture) & Rolf Gruber (bottom picture), 2014
Research Group
Development Management and Policy Planning

Krishna Nur Pribadi
Ir (ITB), MSc, MPhil (Carnegie), Dr (UGM)
Urban and regional planning, management and policy

Adenantera Dwicaksono
ST (ITB), MDevSt (Melbourne)
Public financing; institutional & public policy development; participatory planning & budgeting

Alhilal Furqan
BSc (UKM), MSc, PhD (USM)
Tourism planning; urban & regional planning; sustainable tourism planning

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

Hanry Kurnia L.
ST (UGM), MT (ITB)

Harkunti Pertiwi Rahayu
Ir (ITB), Dr (Candidate – Kochi)
Disaster risk reduction master planning; damage reduction system; contingency planning for city; early warning system; preparedness

Happy P. Fadjaruddin A.
ST (ITB), MT (ITB)

Johnny Patta
Ir (ITB), MURP (Colorado), PhD (Candidate – Rutgers)
Metropolitan governance; urban, local public and development finance; urban and local politics; fiscal decentralization; fiscal impact analysis; policy analysis
Nurrohman Wijaya
ST (ITB), MT (ITB), MSc (AIT), PhD (Candidate - AIT)
Urban and regional planning; infrastructure planning; urban environmental management; climate change adaptation in urban area

Puspita Dirgahayani
ST (ITB), MEng (Univ. of Tokyo), DrEng (Univ. of Tokyo)
Urban planning; urban transportation policy and management

Ridwan
Ir (ITB), MT (ITB)

Sonny Yuliar
Ir (ITB), PhD (ANU)
Technology governance and policy; innovation and development policy; actor-network theory

Suahirman
Drs, SH (Unpad), MT (ITB), Dr (ITB)
Participatory planning and action research; policy and budgeting; community based development; institutional design and development

www.sappk.itb.ac.id/pppk/
Research Activities

2014
Heru Puboyo Hidayat P.
• Intervensi Kelembagaan Penyediaan dan Pengelolaan Infrastruktur di Metropolitan Bandung: Tipologi Penyediaan dan Pengelolaan Infrastruktur Sistem Komunal di Perkotaan
• Studi Sumbu Pembangunan dan Implikasinya pada Pembentukan Pusat – pusat Pertumbuhan Wilayah, Studi Kasus: Jawa Barat Selatan (Development Axe Study and Its Implication in Establishing Regional Central Growth, Case Study: Southern West Java)

Puspita Dirgahayani
• Assessment of Community Understanding on Tsunami Evacuation Plan in Sanur
• Pengaruh Kebijakan Transportasi Perkotaan terhadap Inklusi Sosial (Studi Kasus: KRL Jabodetabek)

Sonny Yuliar
• Commercialization of Academic Research Technology

Suhriman
• Pemanfaatan Role-Playing Game sebagai Pendukung Perencanaan Partisipatif Perkotaan

2013
Krishna Nur Pribadi
• Penelitian Pengembangan Urban Ecotourism di Kota Bandung

Adenantera Dwicaksono
• Peran Jejaring dan Interaksi Sosial Antar Aktor dalam Pengembangan Pariwisata di Kawasan Rawan Bencana Gunung Merapi

Harkunti Pertiwi Rahayu
• Penggunaan Logic Model untuk Analisis Strategi Kebijakan Pengurangan Risiko Bencana (The Use of Logic Model for Disaster Risk Reduction Policy Analysis)
• Pedoman Teknis Perencanaan Pembangunan Tempat Evakuasi Sementara Tsunami

Puspita Dirgahayani
• Pengaruh Kebijakan Transportasi Perkotaan terhadap Inklusi Sosial (Studi Kasus: Transjakarta Busway)
• Integrasi Guna Lahan dan Jalur Sepeda di Kota Bandung dengan menerapkan Konsep Infrastruktur Hijau

Suhriman
• Keberlanjutan Sistem Subak untuk Mendukung Ketahanan Pangan di Bali
• Model-model Pengembangan Kawasan Industri

2012
Harkunti Pertiwi Rahayu
• Pengembangan Logic Model untuk Pemangku Kepentingan Kawasan Industri Kota Cilegon dan Kawasan Wisata Anyer – Kabupaten Serang untuk Kajian Efektifitas TEWS serta Kebijakan Manajemen Bencana

Puspita Dirgahayani
• Urban Development with Co-benefits Approach (in cooperation with the United Nations University-Institute of Advanced Studies), Case Study: Indonesia and Transportation Sector

Scientific Publications

2013
Adenantera Dwicaksono
• Policy and Budget Monitoring of Indonesia Government’s Commitments on Maternal Health

Harkunti Pertiwi Rahayu
• ICG IO-TEWS WG 3 Publications on Tsunami Preparedness

Geological Society of London Special Publication: Geohazards in Indonesia: Earth Science for Disaster Risk Reduction

Ridwan
• Pengembangan Jalur KA Lintas Sorong - Manokwari
Suhirman
- Pola Perubahan Subak dan Implikasinya terhadap Ketahanan Pangan
- Democratic Assessment of Community Development: Case Study in Bandung City
- Discourse on Sustaining Development in Indonesia: Case Study in Tasikmalaya District

2012
Jose A. Puppim de Oliveira, Osman Balaban, Aki Suwa, Christopher N.H. Doll, Ping Jiang, Magali Dreyfus, Raquel Moreno-Penaranda, Puspita Dirgahayani, Erin Kennedy

Puspita Dirgahayani

Suhirman, Zulkifli, Sulaiman, Anas Nikoyan, Ahmad Zaini
- Perencanaan dan Penganggaran untuk Pengelolaan Hutan Berbasis Masyarakat. Book Chapter (Yayasan Kemitraan Jakarta).

Puspita Dirgahayani

Suhirman, Donny

International Accredited Journal

2013
Jose A. Puppim de Oliveira, Christopher N.H. Doll, Osman Balaban, Ping Jiang, Magali Dreyfus, Aki Suwa, Raquel Moreno-Penaranda, Puspita Dirgahayani

Puspita Dirgahayani

Puspita Dirgahayani
- Assessment of Technological and Innovation Capability of Yogyakarta in Delivering Sustainable Public Transportation System

Puspita Dirgahayani
- Stakeholder Analysis on Transit Oriented Development in Greater Yogyakarta

Puspita Dirgahayani
- The Impact of Urban Public Transportation on Social Inclusion (the Case of TransJakarta)

Puspita Dirgahayani
- The Application of Green Infrastructure Concept on Bicycle Lane Development in Bandung: A Stakeholder Perceptions

2012
Harkunti P. Rahayu, Seigo Nasu

Puspita Dirgahayani, F. Nakamura
- Fostering Partnerships towards Sustainable Urban Mobility from the National to Local Level: Matsuyama, Japan and Yogyakarta, Indonesia. IATSS Research 36, pp. 48-55. EID: 2-s2.0-84865200454.
National Accredited Journal

2013

Ridwan

• Penanganan Dampak Perubahan Iklim Global pada Bidang Perkeretaapian dengan Pendekatan Mitigasi dan Adaptasi

International Proceeding

2013

Adenantera Dwicaksono

• Assessing Government Actions in Fulfilling its Commitments Towards Achieving Maternal Health Targets: The Case of Indonesia

Suhrman, Elmy Yasinta, Tizar M.K. Bijaksana, Yunie Nurhayati

• Critical Issues from Corporatist Style of Urban Governance: Lesson Learned for Community Institution Establishment and Community-Driven Development in Bandung City - Indonesia

Yunie Nurhayati, Tizar M.K. Bijaksana, Elmy Yasinta, Suhrman

• Democratic Assessment of Participatory Governance in Urban Development: Lesson Learned from Percepatan Pembangunan Kelurahan Bermartabat (P2KB) Kota Bandung

2012

Krishna Nur Pribadi, Ayu K. Yuliatari

• Developing Creative Tourism through Increasing Capacity of the SME in Creative Industry (Case Study on SME Garut Regency, West Java). 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Harkunti P. Rahayu, Seigo Nasu


Harkunti P. Rahayu, Seigo Nasu, B. Kombaitan

• Sustainable Tsunami DRRMP based on Integrated Logic Model of People’s Mind toward effective Tsunami Early Warning. 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

Suhrman, Elmy Yasinta Ciptadi, Tizar M. Bijaksana, Yunie Nurhayati R.

• Critical Issues from Corporatist Style of Urban Governance: Lesson Learned from Community Institution Establishment and Community-driven Development (Bandung City, Indonesia). 1st PlanoCosmo Conference, City and Regional Planning, Institut Teknologi Bandung, 8-9 October 2012.

National Proceeding

2013

Johnny Patta

• Concept of Vertical Housing Based on Green Infrastructure

2012

Harkunti P. Rahayu

Summer Camp in Yogyakarta, June 2013
Doc. SAPPD

Students Discussion for Design Studio Assignment in PT. KAI Bandung, October 2013
Doc. SAPPD
Research Group
Architectural Design

Widjaja Martokusumo
Professor
Ir (ITB), Dr.-Ing (Kassel)
Architectural and urban design; architectural and urban heritage conservation and revitalization

Achmad Deni Tardiyan
Ir (ITB), MUDD (UNSW), Dr (Candidate - ITB)
Architectural design, urban morphology; political economy of architecture and urbanism

Agus Suharjono Ekomadyo
ST, MT (ITB), Dr (ITB)
Urban design policy; digital architecture

Basauli Umar Lubis
Ir, MSA (ITB), PhD (RMIT)
Architectural design; place making; urban tourism

Baskoro Tedjo
Ir (ITB), MSEMB (Polytech. U. New York), PhD (Osaka)
Architectural design; environment and behavior

Budi Faisal
Ir (ITB), MAUD, MLA (Colorado), PhD (Melbourne)
Architectural design; landscape architecture

Endang Triningsih
Ir (ITB), MSP (ITB), MLA (Wisconsin), PhD (Candidate - Melbourne)
Urban landscape; Asian urbanism; urban informality; indigenous landscape

Erika Yuni Astuti
ST, MT (ITS), PhD (Candidate - TU Darmstadt)
Conservation of built heritage area; public perception of the historic environment

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

Hanson Endra Kusuma
ST (ITB), MEng, DrEng (Tokyo)
Environment and behavior; morphology of space and form; research methodology; quantitative data analysis

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

Medria Shekar Rani
ST, MT (ITB)
Architectural design; landscape architecture
Woerjantari Kartidjo
Ir, MT, Dr (ITB)
Urban conservation; urban design and studies; hospital design; environment and behavior

RR. Dhian Damajani
Ir, MT, Dr (ITB)
Landscape design; cultural landscape

Mochamad Prasetyo E. Yasin
Ir (ITB), MArch, MAUD (Colorado), Dr (ITB)
Architectural and urban design; theory and methodology of spatial analysis; environment and behavior

Mochamad Ridwan Kamil
ST (ITB), MUD (UC Berkeley)
Architectural design

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

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

Woirjantari Kartidjo
Ir, MT, Dr (ITB)
Urban conservation; urban design and studies; hospital design; environment and behavior

Mochamad Ridwan Kamil
ST (ITB), MUD (UC Berkeley)
Architectural design

Mochamad Prasetyo E. Yasin
Ir (ITB), MArch, MAUD (Colorado), Dr (ITB)
Architectural and urban design; theory and methodology of spatial analysis; environment and behavior
Research Activities

2014
Agus S. Ekomadyo
• Model Pasar Tematik Urban yang Mampu Menghela Ekonomi Lokal Kasus: Pasar Bertaera “Healthy Food” untuk Wilayah Bandung dan Sekitarnya
• Pengembangan Piranti Lunak Berbasis Fraktal untuk Eksporasi Ragam Nusantara sebagai Media Perancangan Bangunan Kontemporer

Hanson E. Kusuma
• Relationship between Internal-External Factors and Preferences for Shopping Mall

2013
Widjaja Martokusumo
• Metode Pengurangan Risiko Kebakaran pada Bangunan Bersejarah. Kasus: Gedung Aula Barat dan Timur ITB
• Walkability pada Ruang Terbuka Publik di Kota Bandung

Agus S. Ekomadyo
• Model Kemirtaan Bisnis Modern dan Tradisional untuk Revitalisasi Pasar Tradisional
• Model Revitalisasi Pasar Tradisional dengan Konsep “Pasar Pintar” untuk Meningkatkan Peran Pasar Tradisional dalam Perekonomian Kota

Basauli Umar Lubis
• Perencanaan Creative Clusters pada Ethnic Quarter yang Menunjang Pengembangan Industri Nasional. Kasus : Desa Sugih Waras-Pekalongan, Kauman Solo dan Lasem.

Heru W. Poerbo
• Kajian Pengembangan Jaringan Transportasi dan Struktur Tata Ruang Wilayah untuk Mendukung Percepatan dan Perluasan Pembangunan Ekonomi Wilayah Jabodetabek

2012
Agus S. Ekomadyo
• Model Revitalisasi Pasar Tradisional dengan Konsep “Pasar Pintar” untuk Meningkatkan Peran Pasar Tradisional dalam Perekonomian Kota
• Percepatan dan Perluasan Simpul Ekonomi Lokal Berbasis Pariwisata Budaya

Hanson E. Kusuma, Baskoro Tedjo
• Tempat Favorit Dewasa Muda

Heru W. Poerbo
• Implementasi TOD di Indonesia
• Penyebaran Pusat Layanan untuk Percepatan Pembangunan MP3EI

Linazria Haron, Titik Savitrie
• A Pilot Study on the Utilisation of Teaching Spaces in the Case SAPPK, ITB, Bandung

Linazria Haron, Titik Savitrie
• A Study on the Utilisation of Teaching Spaces in the Case of Ganesa Campus, Institut Teknologi Bandung, Bandung

Woerjantari Kartidjo
• Kajian Penerapan Transfer Development of Right untuk Kawasan Pemugaran sebagai Upaya Revitalisasi, Kasus Kota Tua Jakarta

Scientific Publications

2014
Widjaja Martokusumo

2013
Widjaja Martokusumo
Hanson E. Kusuma

Hanson E. Kusuma
- Perbedaan Penelitian dan Perancangan. Artikel Populer Ikatan Peneliti Lingkungan Binaan Indonesia, March 2013. (presented at “Workshop Metode Penelitian dan Perancangan”, Architecture Department, Universitas Pancasila)

2012
Widjaja Martokusumo

International Accredited Journal

2014
Dini Rosmalia, Widjaja Martokusumo
- 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, October, pp. 77-84, ISSN: 1905-7210, Chulalongkorn University, Bangkok, Thailand.

2013
Widjaja Martokusumo, Lily Tambunan
- Historic Preservation and Disaster Risk Preparedness: Critical Approaches in Managing Cultural Heritage in Indonesia, NAKHARA: Journal of Environmental Design and Planning, Vol. 9, October, pp. 121-134, ISSN: 1905-7210, Chulalongkorn University, Bangkok, Thailand.

2012
Widjaja Martokusumo

International Proceeding

2014
Widjaja Martokusumo, Denny Zulkaidi

Erika Yuni Astuti

Medria Shekar Rani, Y. Aniwahjoedi

2013
Widjaja Martokusumo, Hanson E. Kusuma, Sally Oktavia

Widjaja Martokusumo, Lily Tambunan, Wahyu Sujatmiko

Erika Yuni Astuti

Tetsu Kubota, Matsunaga Kenji, Hanson E. Kusuma, Usep Surahman, Daisuke Nishina
- Factors Affecting Quality of Life of Residents in Major Cities of Indonesia: A Case Study of Bandung. Proceeding the 14th International Conference on Sustainable Environment and Architecture (SENVAR), Aceh, Indonesia, 7-8 Nov. 2013.
2012

Widjaja Martokusumo

• Reinventing Public Space: Notions and Challenges from the Pedestrian Sidewalk Projects in Jakarta, Proceeding Contemporary Environmental Design in Tropical Asia, CU:ADS, Chulalongkorn University Architecture and Design Symposium, the 3rd Symposium, Bangkok, Thailand, November.


Basauli U. Lubis

• Ethnic Quarter at The Crossroads, Arcasia, November 2012

• Developing Urban Open Spaces into a tourist place, case study: Urban open Space in Large Cities of Indonesia. ICIAP, UGM July 2012.

Dhini Dewiyanti, Widjaja Martokusumo, B. Faisal, B. Tedjo


Dini Rosmalia, Widjaja Martokusumo

• The Notion on Urban Cultural Landscape from the Perspective of Landscape Architecture. Case Study: Cirebon City, West Java, Proceeding of the 4th Arte-Polis International Conference and Workshop on Creative Connectivity and the Making of Place: Living Smart by Design, 5-7 Juli, ISBN No. 978-18399-3-8.

N.B. Hartanti, Widjaja Martokusumo


Sally Octaviana, Widjaja Martokusumo, W. D. Pratiwi

• Redefining Public Space for People’s Spatial Equity, Proceeding of the 4th Arte-Polis International Conference and Workshop on Creative Connectivity and the Making of Place: Living Smart by Design, 5-7 Juli, ISBN No. 978-18399-3-8.

Pre-Design Competition of UNPAD Rectorate Building, 2010 - second winner
Basauli Umar Lubis, Firman Imansyah, Litta Primasari

National Proceeding

2013
Dhini Dewiyanti, Widjaja Martokusumo

Finta Lissimia, Hanson E. Kusuma

Hanson E. Kusuma

Susanti Ardina, Hanson E. Kusuma

Tri W. Natalia, Hanson E. Kusuma

2012
A.A. Gede Rai Remawa, Imam Santosa, Widjaja Martokusumo

Basauli Umar Lubis
Research Group
Building Technology

Surjamanto W. 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

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

Aswin Indraprastha ST, MT (ITB), MEng, PhD (Shibaura)
Computer application

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

Dewi Larasati ST, MT (ITB), PhD (Kochi)
Construction management; sustainable construction; project delivery service

Dibya Kusyala ST, MT (ITB)
Building structure

Hidayat Amir Ir (ITB)
Building structure and construction

Lily Tambunan Ir (Unhas), MT (ITB), Dr (ITB)
Building technology and safety

Mochamad Donny Koemiarwan ST (UGM), MT (ITB), Dr (Candidate – )
Urban and architectural modeling and simulation; building energy

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

Robby Dwikojuliardi Ir (Itenas Malang), MT (ITB)
System and building performance
Research Activities

2014
Surjamanto W.
- The Prototype of Vertical Sunlight Guides for Natural Lightings at Tall Buildings
- Prototype Dinding Phase Change Material (PCM) untuk Mengurangi Beban Pendinginan AC dan Menghemat Energi Operasional Gedung

Dewi Larasati
- 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

2013
Surjamanto W.
- Prototype Double Skin Facade Gedung dengan Kemampuan Mengurangi Pemanasan Lingkungan Perkotaan dan Menghemat Energi Operasional Gedung
- Model of Eco and Human Friendly Housing Based on Typology of Tropical Urban Kampong

Aswin Indraprastha

Dewi Larasati
- Pengembangan Sistem Jaminan Kualitas Terintegrasi pada Proyek Konstruksi dalam Rangka Peningkatan Kinerja

2012
Surjamanto W.
- Pengendalian Pemanasan Lingkungan Kota. Kasus : Perubahan Kampung Kota Menjadi Rumah Susun
- Prisma Pengarah Cahaya Matahari untuk Menghemat Penggunaan Energi pada Gedung

Aswin Indraprastha
- Development of Computing-based Design Syllabus for Architectural Education

Lily Tambunan
- Pengaruh Atrium terhadap Keselamatan Jiwa Penghuni pada Bangunan Rumah Sakit. Studi kasus: RSHS, Bandung.

Purnomo Soekirno, Dewi Larasati ZR
- Perancangan Rumah Tahan Gempa berbasis Kemampuan Teknologi dan Ekonomi Masyarakat Lokal Palu, Sulawesi Tengah

Scientific Publications

2012
Aswin Indraprastha

Rizki Tridamayanti S., Aswin Indraprastha, Surjamanto W.
- Investigation on Heat Insulation by Combination of Building Materials for Passive Cooling Effect in Hot Humid Region (Journal of Indoor and Built environment- Elsevier, IF 1.65).

Sugeng Triyadi, Andi Harapan, St. Aisyah

Wasiska Iyati, Aswin Indraprastha, Surjamanto W.
- Investigation on 90o and 45o Wind Flow Directions on Highrise Building Facades for the Optimum Design of Double Skin Facade (Journal of Indoor and Built environment- Elsevier, IF 1.65).

International Accredited Journal

2013
Aswin Indraprastha, Michihiko Shinozaki

2012
Rizki Tridamayanti S., Aswin Indraprastha, Surjamanto W.
- Investigation on Heat Insulation by Combination of Building Materials for Passive Cooling Effect in Hot Humid Region (Journal of Indoor and Built environment- Elsevier, IF 1.65).

Sugeng Triyadi, Andi Harapan, St. Aisyah

Sugeng Triyadi, Andi Harapan

Wasiska Iyati, Aswin Indraprastha, Surjamanto W.
International Proceeding

2013
Aswin Indraprastha, Fachrurrazi Muchammad

Aswin Indraprastha, Rizki Siregar
• Analysis of the Thermal Performance of Material Densities for Passive Cooling Effect in Hot Humid Region (2013). SEATUC International Conference, ITB.

Aswin Indraprastha, Wasiska Iyati
• Investigation on 90 and 45 Degree Wind Flow Directions on Highrise Building Facades for the Optimum Design of Double Skin Façade (2013). SEATUC International Conference, ITB.

Aswin Indraprastha, Yasser Hafidz
• Data-driven Responsive Skin (2013). SEATUC International Conference, ITB.

Aswin Indraprastha, Zulhadi Sahputra
• Preserving Local Ornament Through Algorithm. Proceeding of International Conference on Advanced Computer Sciences and Information System (ICACISIS) and published in IEEEExplore.

Dewi Larasati ZR
• Performance Improvement Model for Indonesia Construction Works Reform. The 6th Civil Engineering Conference in Asia Region: Embracing the Future through Sustainability, p. 20-22 August 2013, Jakarta.

Donny Koerniawan, Weijun, Gao
• The Effect of Outdoor Microclimate on the indoor environment of the Building. In proceeding of Shase 2013, At The University of Kitakyushu.

Firman Fadhly Adhi Risnandar, Surjamanto Wonorahardjo

Nuraini Darmayanty, Surjamanto Wonorahardjo

Rakhmat Fitranto Aditra, Sugeng Triyadi, Andry Wodyowijatmoko
• Comparing Canadian Standard and Indonesian Practice of Cold Form Steel Section for Housing Construction

Sahid Mochtar, Dewi Larasati ZR

Siswanti Zuraida, Dewi Larasati ZR

Widjaja Martokusumo, Lily Tambunan, Wahyu Sujatmiko
2012
Surjamanto W, Sahid
Bambang Panuju, Sugeng Triyadi, Andi Harapan
Dewi Larasati ZR, Watanabe Tsunemi
• Development of Contractor Quality Assurance System in Indonesian Public Works Procurement Reform
Dewi Larasati ZR, Sahid Mocthar
• Application of Bioclimatic Parameter as Sustainability Approach on Multi-Story Building Design in Tropical Area. SciVerse Science Direct, Procedia Environmental Sciences 00 (2012) 000–000.
Muhammad Fakhurrarzi, Aswin Indraprastha
• Spatial Layout Design using Self-Organizing Approach, a Case Study on Balinese House Design
Rizki Tridamayanti S, Aswin Indraprastha, Surjamanto W.
• Investigation on Heat Insulation by Combination of Building Materials for Passive Cooling Effect in Hot Humid Region
Robby Dwikojuliardi
Sahid, Surjamanto W.
Wasiska Iyati, Aswin Indraprastha, Surjamanto W.
• Investigation on 90° and 45° Wind Flow Directions on Highrise Building Facades for the Optimum Design of Double Skin Façade
Yasser Hafidz, Aswin Indraprastha
• Responsive Landscape – A Case Study Toward Adaptable Space

National Proceeding
2012
Dewi Larasati ZR, Allis Nurdini
• Pendidikan Profesional Arsitektur menuju Peningkatan Kinerja Industri Konstruksi di Indonesia
Lily Tambunan
Robby Dwikojuliardi
• Teknik Penulisan Karya Tulis Ilmiah untuk Karya Profesi Arsitek. Proceeding IPLBI.
Sugeng Triyadi, Andi Harapan, St. Aisyah
Research Group
Housing and Human Settlement

Agustinus Adib Abadi
Ir (ITB), MSc (UCL), Dr (ITB)
Architectural design; housing planning and design

Allis Nurndini
ST, MT (ITB), Dr (ITB)
Housing need and demand analysis; housing typomorphology; research methodology for housing and settlement

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

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

Ismet Belgawan Harun
Ir (ITB), MSc (AIT), PhD (Tokyo)
Housing and settlement development; land for housing and urban development

Mohammad Jehansyah Siregar
ST, MT (ITB), PhD (Tokyo)
Housing and settlement

Tri Yuwono
Ir, MT (ITB)
Building technology

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

Wiwik Dwi Pratiwi
Ir (ITB), MES (York), PhD (Sheffield)
Housing and settlement; tourism studies and planning; built environment and traditional communities
Research Activities

2014
Agustinus Adib Abadi
• Perilaku Pembeli Rumah Menengah ke Atas di Bandung
Allis Nurdini
• Desain Hunian bagi Masyarakat Berpenghasilan Rendah di Bantaran Sungai Peri Urban Area Bale Endah Kabupaten Bandung: Contingent Valuation Method
Wiwik Dwi Pratiwi
• Transformasi Perumahan Pemukiman dan Pariwisata: Komparasi di Jakarta dan Bandung

2013
Allis Nurdini
• Choice Modelling Desain Hunian Vertical bagi Masyarakat Berpenghasilan Rendah di Bantaran Sungai Perkotaan: Kasus Studi Delineasi Fungsi Bantaran Sungai di Kota Bandung
• Karakteristik Desain Rumah Susun bagi Masyarakat Berpenghasilan Rendah di Daerah Urban Padat yang Akomodatif, Mudah dan Murah Perawatan: Studi Kasus di Jakarta dan Bandung
Boedi Darma
• Hubungan Gaya Hidup dan Prestise dengan Tipo - Morfologi Gate Communities di Metropolitan Jakarta
Ismet Belgawan Harun
• Tipologi Perumahan dan Pemukiman Informal di Indonesia: Menuju Sebuah Taksonomi
Mohammad Jehansyah Siregar
• Policy Evaluation on Slums Alleviation Policy and Action Plan Study Project by World Bank and Bappenas
Wiwik Dwi Pratiwi
• Transformasi Perumahan Pemukiman dan Pariwisata: Komparasi di Jakarta dan Bandung

2012
Allis Nurdini
• Merubah Kekumuhan Hunian di Bantaran Sungai Perkotaan Menuju Tatanan Lokal Baru: Rancangan Fisik, Institusi dan Pembiayaan
Mohammad Jehansyah Siregar
• Kebijakan Pembangunan Kota Baru di Indonesia
Wiwik Dwi Pratiwi
• Transformasi Perumahan-Permukiman dan Pariwisata: Komparasi di Jakarta dan Bandung
• Pengelolaan Lingkungan dan Transformasi Permukiman Pasca Bencana di Sukabumi, Jawa Barat

Scientific Publications

2013
Mohammad Jehansyah Siregar
• Pembangunan Ibukota Baru NKRI

2012
Ismet Belgawan Harun
• Arsitektur Perumahan dan Permukiman Tradisional di Jawa Barat

International Accredited Journal

2012
Allis Nurdini, Ismet Belgawan Harun

National Accredited Journal

2013
Agustinus Adib Abadi
• Bioclimatic Architecture as a Design Approach with a Middle Apartment in the Surabaya as a Case. REGOL, Journal of Architecture and Environment, Vol.10, Number 1, April 2011.
Samsirina, Syahyudesrina, Mohammad Jehansyah Siregar
2012
Agustinus Adib Abadi
M. Jehansyah Siregar

International Proceeding
2013
A. Adib Abadi, Andini M., Triyuwono
• Implementation of Participatory Design Method in Environmental Renewal Design Process in sarjadi low Cost Apartment, Bandung
Afina Radiya, Wiwik Dwi Pratiwi
Besta B.K, Ismet Belgawan Harun
• Migration and Changing Desa - Kota Interaction
Dwinik Winawangsiari, Ida Hamida, Wiwik Dwi Pratiwi
Esti Islommah, Wiwik Dwi Pratiwi
Indah Susanti, Wiwik Dwi Pratiwi
Ismet Belgawan Harun
• Housing, Human Settlement, and Researches on Innovations
Juarni Anita, Ismet Belgawan Harun
• Raising Floor Elevation of Houses as Effort to Improve the Quality Housing in Flood Prone Settlement. Case Study : Muara Angke Settlement, North Jakarta.
Mohammad Jehansyah Siregar
• Housing Finance Policy Direction for Housing the Low-Income People in Indonesia
Rani, Medria S, Isan Najmi, Wanda Yovita, Wiwik Dwi Pratiwi
Rismawati, Asyifa dan Pudin, Wiwik Dwi Pratiwi
• The Transformation of an Urban Settlement to be a Tourism Village Based on Preferences of Local Communities Case Study: Kampung Dago Pojok, Bandung. Habitechno International Seminar, Institut Teknologi Bandung, 11 November 2013.
Samsirina, Wiwik Dwi Pratiwi, Boedi Darma Sidi, Dwinik Winawangsiari
Wiwik Dwi Pratiwi, Y. Astuti, Samsirina, Wiwik Dwi Pratiwi
Wiwik Dwi Pratiwi, D. Winawangsiari, Y. Adriani
Wiwik Dwi Pratiwi
2012

Agustinus Adib Abadi

- “Rethinking Urban Approaches to Built Environment Department of Architecture”, Universitas Pembangunan Jaya.

National Proceeding

2013

Mohammad Jehansyah Siregar

- Permukiman Informal di Bantaran Sungai Cikapundung, Kasus Permukiman Dago Bengkok

2012

Allis Nurdini


M. Jehansyah Siregar


Wiwik D. Pratiwi

- Permukiman dan Perumahan yang Ramah Lingkungan. Seminar Perumahan yang Ramah Lingkungan, Medan, 6 Desember 2012.

M. Samsirina; H.E. Ratnaeningrum; R.Z. Ilman; N. Hamidah

Research Group

Architectural History, Theory and Criticism

Iwan Sudradijat
Ir, MSA (ITB), PhD (Sydney)
Historiography of architecture; theory of architecture; research methodology; gender and built environment

Arif Sanwo Wibowo
ST, MT (ITB), DrEng (Tokyo)
History of urban and architectural design; colonial architecture

Bambang Setia Budi
ST, MT (ITB), DrEng (Toyohashi)
Islamic architecture; vernacular architecture; theory of architecture and urbanism

Budi Rijanto Surjosutrisno
Ir (ITB), DEA (EHESS)
Anthropology of space; urban ethnography

Christina Gantini
Ir, MT (ITB), Dr (UNPAR)
History and theory architecture

Eko Purwono
Ir (ITB), MSArch (MIT)
Architectural theory and criticism; vernacular architecture; architectural education; sociology of architecture

Himasari Hanan
Ir (ITB), MAE (Leuven), Dr.-Ing (Kassel)
Theory of architecture and urban design; history of modern and urban architecture; urban studies; creative industries

Indah Widiastuti
ST, MT (ITB), PhD (Anna, India)
Vernacular architecture; dwelling culture
Research Activities

2014
Himasari Hanan
- Pemaknaan Tempat dalam Dusun Tradisional Bali Aga
- Strategi Revitalisasi Seni Budaya Batak Toba sebagai Obyek Wisata dan Industri Kreatif

Indah Widiastuti
- Model Revitalisasi Pasar Tradisional dengan Konsep “Pasar Pintar” untuk Meningkatkan Peran Pasar Tradisional dalam Perekonomian Kota

2013
Himasari Hanan
- Kajian Desa Tradisional Bali Aga sebagai Produk Budaya untuk Industri Pariwisata
- Strategi Revitalisasi Seni Budaya Batak Toba sebagai Objek Wisata dan Industri Kreatif

2012
Budi Rijanto
- Studi Lingkungan Binaan Maluku Utara

Himasari Hanan
- Ruang Terbuka dan Suasana Tempat sebagai Acuan Struktural Ruang Interaksi Sosial Mahasiswa pada Perancangan Kampus. Studi Kasus Kampus ITB Jatinangor.

Scientific Publications

2013
Indah Widiastuti

2012
Arif Sarwo Wibowo, Indah Widiastuti, Ahmad Rida Soemardi
- International Seminar Proceeding, Arte-Polis 4 International Conference - “Creative Connectivity and the Making of Place: Living Smart by Design, Thursday-Saturday, 5-7 July 2012, SAPPK-ITB

Arif Sarwo Wibowo, Indah Widiastuti, Hanson E. Kusuma, Dewi Larasati

International Accredited Journal

2013
Indah Widiastuti, Ranee Maria Leonie Vedamuthu

Indah Widiastuti

2012
Himasari Hanan
- The Architecture of Batak Toba: An Expression of Living Harmoniously. Nakhara, Faculty of Architecture, Chulalongkorn University vol.8 2012.

National Accredited Journal

2012
Elya S. Bukit, Himasari Hanan, Arif S. Wibowo

Indah Widiastuti

Khaerani Adenan, Bambang S. Budi, Arif S. Wibowo
International Proceeding

2013
Besta B. Kertawibawa, Iwan Sudradjat

Himasari Hanan
• Open Space as Meaningful Place for Students in ITB Campus. ASEAN Conference on Environment-Behaviour Studies, Hanoi Architectural University, Hanoi, Vietnam, 19-22 March 2013, “Cultural Sustainability in the Built and Natural Environment”.

Himasari Hanan, Rakryan Khrisnamy

Himasari Hanan, Jockie Zudhy Fibrianto
• Landscape design for residential at flood risk area. Case Study: The area between Tokaya and Bansir canal, Pontianak. Habitechno International Seminar, SAPPK ITB, 11 November 2013.

Himasari Hanan, Monica Septi Pratesa Munandar
• Enhancing the Role of Ritual Heritage Seren Taun for Agrotourism at Cigugur Kuningan. International Conference on Creative Industry, Department of Industrial Design, Faculty of Civil Engineering and Planning ITS, Surabaya, 13 November 2013.

2012
Arif Sarwo Wibowo

Besta Besuki Kertawibawa, Iwan Sudradjat

Christina Gantini, Josef Prijotomo, Yuswadi Saliya, Dwini Winawangsari
• Traditional Balinese Architecture: what is thought and what is seen. First Biennale -International Conference on Indonesian Architecture and Planning, Department of Architecture & Planning, Universitas Gajah Mada, 9-11 July 2012.

Dhini Dewiyanti, Iwan Sudradjat
• The Effects of Ornaments in the Interior Space of Mosque on the Level of Concentration of Its Congregations. First International Conference on Islamic Built Environment, Universitas Islam Bandung (UNISBA) in collaboration with International Islamic University Malaysia (IIUM), Bandung, 28-29 March 2012.

Himasari Hanan, Rakryan Khrisnamy

Himasari Hanan, Anirri Illyta
• Connecting Small Business and Greenery to Children Play in Place Making. Arte-Polis 4 International Conference - Creative Connectivity and the Making of Place: Living Smart by Design, SAPPK ITB Bandung, 5-7 July 2012, ITB.

Himasari Hanan, Syanifah Ismailiyah Al Athas
• Picturesque Architecture as Place Marker in Movement Design. Arte-Polis 4 International Conference - Creative Connectivity and the Making of Place: Living Smart by Design, SAPPK ITB Bandung, 5-7 July 2012, ITB.

Himasari Hanan
• Cultural consumption in public places. International Seminar on Liveable Space, Universitas Trisakti, Jakarta 16-17 February 2012.


Indah Widiastuti

Iwan Sudradjat

National Proceeding

2014
Indah Widiastuti

Iwan Sudradjat

2013
Dwinik Winawangsari, Himasari Hanan

Elya Santa Bukit, Himasari Hanan

Himasari Hanan, Dwinik Winawangsari, Elya santa Bukit

Indah Widiastuti, Himasari Hanan, Wanita Subadra Abioso

Indah Widiastuti, Himasari Hanan

2012
Arif Sarwo Wibowo

Christina Gantini, Josef Prijotomo, Yuswadi Saliya

Hamdi Khaliesh, Indah Widiastuti, Bambang Setiabudi
• Karakteristik Permukiman Tepian Sungai Kampung Beting di Pontianak: Dari Rumah Lanting ke Rumah Tiang. Temu Ilmiah IPLBI 2012, SAPPK- ITB and IPLBI, Bandung.

Indah Widiastuti
• Proses-Proses dalam Pembentukan Vaastusastra : Kajian terhadap Mayamatam, Manasara, Manusyalaayacandrika dan Taccusastra. Temu Ilmiah IPLBI 2012, SAPPK- ITB and IPLBI, Bandung.
Research Group
Economic System and Modelling

Benedictus Kombaitan
Professor
Ir (ITB), MSc (Wisconsin-Madison), Dr (ITB)
Development management in land use, transportation and related environmental issues

Pradono
Professor
SE (UGM), MEcDev (ANU), DrEng (Tokyo)
Regional and city economics; transportation economics

Yogi Makhbul
Professor
Ir, MS, Dr (UNPAD)
Agriculture economics

Munadjat
SPd (STKIP), MM (UNWIM), Dr (UNPAD)
Economic / Marketing Management

Puji Wulandary
Ir, SP (Unpad), Dr (UnPAD)
Agriculture economics

Adi Kusniadi
Ir (Unpad), MSi (IPB), Dr (UNPAD)
Community based development; management and policy

Munadjat
SPd (STKIP), MM (UNWIM), Dr (UNPAD)
Economic / Marketing Management

Pringgo Dwiyantoro
SE (Unpad), MM (Univ. ARS Internasional Bandung), MSI (Unpad)
Cooperatives, small and medium enterprises; regional and urban economics; economic development; community based development; management and policy

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

Deni Nugraha
SE (STIE YPKP), MSi (Unpad)

Edi Kusniadi
Ir (Unwim), MP (Unpad)

Jamaludin
SE (STIE- YPKP ), MM (UNWIM)

Kartib Bayu
Ir (Unwim), MSI (Unpad), Dr (Unpad)

Siti Herni Rochana
Ir (IPB), MSI (IPB), Dr (Unpad)
Regional and urban economics; decentralization; fiscal policy; spatial economics
Research Activities

2014
Munadjat
• Model Design Product and Development Strategy Based Web Entrepreneurship of Culinary Tourism Competitiveness Support as Tourism Industry in Bandung

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

Siti Herni Rochana
• Hubungan Infrastruktur Jalan dan Dependensi Ekonomi Spasial di Wilayah Barat Pulau Jawa

2013
Beneficuts Kombaitan
• Evaluasi Rencana Tata Ruang di Wilayah Bandung Selatan dalam Upaya Penanganan dan Pencegahan Bencana Banjir

Muhammad Tasrif
• Model Dinamik Penumbuhan Wisrausaha Baru dalam Mendukung Pengentasan Kemiskinan dan Pengangguran di Pedesaan

Pradono
• Dinamika Cluster Ekonomi Perdesaan (Studi Kasus: Kawasan Wisata Pangandaran)

Yogi
• Pengaruh Struktur Pasar terhadap Integrasi Harga Beras dengan Padi dan Dampaknya terhadap Pendapatan Keluarga Tani Padi di Kecamatan Kroya, Kabupaten Indramayu

2012
Kartib Bayu, Muhammad Tasrif
• Model Revitalisasi dan Pengembangan Industri Pertahanan dalam Sistem Ekonomi Indonesia

Pradono, Ibnu Syabri
• PPP in Indonesia

International Accredited Journal

2014
I. Abdulla, F.M. Arshad, B.K. Bala, K.M. Noh, M. Tasrif

Yogi, Sudrajati Ratnamingyias, Pringgo Dwiantoro

National Accredited Journal

2014
Munadjat
• Pengaruh Kinerja Promosi dan Kerelasian Mahasiswa terhadap Citra Perguruan Tinggi serta Kepuasan Mahasiswa setelah Memilih Program Magister Manajemen pada Perguruan Tinggi di Jawa Barat dan Banten. Sosiohumaniora, Jurnal Ilmu-Ilmu Sosial dan Humaniora (Jounal of Social Sciences and Humanities), Volume 16, No.1, March 2014. ISSN 1411 0911.

2013
Munadjat

International Proceeding

2014
Muhammad Tasrif

Yogi

2013
A. Muhammad, S. Hartati, K. Bayu

2012
Yogi
• The effect of wet field to dry field cultivation substitution on the production of sugarcane, and farmer’s income. International Conference on Small Scale Producer Agency in the Globalised Market, Universitas Padjadjaran. Bandung, 16 February 2012.
Supporting Staff

Ahmad Rosad M., S.Sos., M.Ak
Section Head

Muhammad Nasirudin
Technician

Sarnya
Supporting Staff

Djudjun Kurniawan, SE.
Sub-Section Head of Academic Administration

Gunawan
Technician

Carman
Supporting Staff

Subagyo
Sub-Section Head of Information System

Arie Dirgantara, A.Md.
Technician

Sarwan
Supporting Staff

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

Dra. Lenny Fatimah N.
Librarian

Sony Hidayat
Supporting Staff

Harsenawati D.
Sub-Section Head of Human Resources

Edje
Library Administration

Widi Kustiawanda
Supporting Staff

Sutomo, S.Sos
Sub-Section Head of Infrastructure & Facilities

Yoninur Amira, S.Sos.
Librarian

Ade Rahmat
Supporting Staff

Eming Kamir
Academic Administration

Dra. Ipah Saripah
Librarian

Samsudin
Supporting Staff

Budi Saputra
Academic Administration

Ema
Library Administration

Atay Idas
Supporting Staff

Dedah Djubaeda
Academic Administration

Rina Agustina S.IP
Finance Administration - Treasurer Section

Entis Sufiyana
Supporting Staff

Irma Ramdhayani
Academic Administration

Robby Hermawan
Finance Administration - Accounting Section

Dani Supriyatna
Supporting Staff

Agus Dodig
Academic Administration

Dra. Elyaningsih
Finance Administration - Tax Section

Khaerudin N.
Supporting Staff

Wati Sukiwati
Academic Administration

Giyacinta Riyani
Finance Administration

Undang Cahyana
Supporting Staff

Nunung Maulani, SPd
Academic Administration

Pratiwi Pudijestari
Finance Administration


Jeane Rantung, SE.
Academic Administration

Tarsiwad, SAP
Finance Administration


RMI Sosrowinarsito
Academic Administration

Indri Wahyuni, A.Md.
Finance Administration


Fitri Handayani
Academic Administration

Eli Amalia, SE.
Human Resource Administration


Nunuk Ratnasari, S.Sos.
Academic Administration

Akhmad Sidik
Infrastructure & Facilities Staff


Siti Aisyah
Academic Administration

Djarwono
Infrastructure & Facilities Administration


Tati Purwanti, SE.
Academic Administration

Hawiyah
General Administration


Sudrajat, A.Md
Administration Staff

Tatang Safari
General Administration


Gagan Irana
Technician

Yanti Nurhayati
General Administration


Adang Deni Sunarya, A.Md.
Technician

Dedes Nurgandarum
General Administration


Yayat Sumardi
Technician

Acep Wahyu H.
Supporting Staff
Tour to Yogyakarta
Doc. SAPPD
Workshops, Conference and Joint Studio

The Fifth Arte-Polis International Conference and Workshop
Reflections on Creativity: Public Engagement and the Making of Place
8-9 August 2014, ITB

Building on the successes of the first four Arte-Polis in 2006, 2008, 2010 and 2012, Institut Teknologi Bandung (ITB) is pleased to present Arte-Polis 5, consisting of an international conference and workshop with the theme “Reflections on Creativity: Public Engagement and the Making of Place”. This biennial event is an initiative of the Architecture Program at ITB’s School of Architecture, Planning and Policy Development in collaboration with other creative institutions, to be held on 8-9 August 2014 in Bandung, Indonesia’s city with a long heritage of creative culture, communities and collaborations.

The aim of Arte-Polis 5 is to bring all layers of individual or group in society, not limited to creative industries and people that involve in information technology, to share their knowledge and experience about potential, effect and impact of information technology towards place making, public policy, social wellbeing, environment quality, cultural heritage and urban economy.

International Workshop on Sustainable Urban Transportation in Developing Countries
24 June 2014, ITB

International Workshop on Sustainable Urban Transportation in Developing Countries is one of several events of Plano55 organized by the Urban and Regional Planning Program of SAPPD ITB, addressing the issue of problems and solution for the future of urban mobility and accessibility of Indonesian cities. Transportation becomes the main issue in the workshop, as well as the basics for the sustainability of urban development. Transportation is also a social facility and the main infrastructure to guarantee the continuity of production and human mobility. Some experts present at the workshop came from France, academia, research institutions, government and transportation experts who have shared experiences and knowledge in the field of transport and infrastructure.
Learning From Disaster : Perspective of the US and Indonesia
16-21 June 2014, ITB

A UH Manoa team of faculty and graduate students is delivering workshops at ITB this week to emergency managers, first responders and others working on disaster risk reduction in Indonesia. Building upon programs within the College of Social Sciences’ Department of Urban and Regional Planning and its Disaster Management and Humanitarian Assistance Program and National Disaster Preparedness Training Center (NDPTC), the training covers disaster management, risk reduction, recovery from disasters, climate adaptation, and strategies for building community resilience.
(Source : http://manoa.hawaii.edu)

Education and Training of Disaster Mitigation Plan
Group I in 2014
12 – 23 Mei 2014, ITB

At Seminar Room on Labtek IX-A ITB, Dean of the School of Architecture, Planning and Policy Development (SAPPO) ITB, Prof. B. Kombaitan, accompanied by Ridwan Sutriadi, ST., MT., Ph.D. and Drs. Today Nasiri, M.Com., representatives of Pusbindiklatren-Bappenas, opened the Education and Training of Disaster Mitigation Plan for Group I in 2014. The training is a cooperation between Bappenas and SAPPO ITB, attended by 20 participants from various government agency of cities throughout Indonesia. In general, this training aims to build an integrated system in disaster management and disaster risk reduction / mitigation.
Workshop : Towards sustainable building and infrastructure in Indonesia
24-27 March 2014, ITB

The British Council has launched a new five-year programme to encourage international research collaboration between ambitious young researchers from the UK and eighteen countries around the world. The programme, ‘British Council Researcher Links’ provides opportunities for early career researchers from the UK and internationally to interact, learn from each other and explore opportunities for building long-lasting research collaborations.

As part of this programme, a ‘call to action’ was issued in June 2013 for leading researchers to propose themes for bilateral workshops to be held in one of these countries which will bring together early career researchers to discuss their research and start to build international relationships.

Book Review : Regional Dynamics in a Decentralized Indonesia
10 April 2014, ITB

As part of the 55th anniversary events of Urban and Regional Planning Program with the name PLANO-55, all parts of the program including its students, faculty, and former student conduct a book launching and review of Prof. Hal Hill with the title “Regional Dynamics in a Decentralized Indonesia”. The event was held in cooperation with the Australian National University (ANU). Also as contributors in this book are Prof. Tommy Word and Dr. Budy Resosudarmo.
International Workshop and Conference on Re-SHAPING Urban Coastal Land-SCAPES for Hibikinada Area in Kitakyushu, Jepang
15-25 February 2014

On 15 to 25 February 2014, six students participated in workshops and Architecture ITB conference at the University of Kitakyushu Japan. They are Swasti Nuswantari, Prathito Andy Wisambodhi, Tiffany Alicia Beandda, Prinka Victoria Widasanti, Kania Thea Pradpta, and Reina Rivenska Dissa. In the workshop which was attended by 16 universities in Asia, many architecture ITB students learn to work collaboratively, develop a vision together, manage the idea of various ideas with the diverse backgrounds, and presents them in a unified design work. Admittedly, the language barrier became a major factor in the dynamics of the group, because many Asian students who were not fluent in English. However, everything can be done with joy, which is seen at a farewell party. Prof. Bart Dewancker, chief organizer of the event, said that the building comradeship became one of the goals of this activity. (Source: http://www.ar.itb.ac.id)

Joint Studio Architecture Program ITB and University of Malaya
27 January 2014 – 16 February 2014, ITB

Architecture Program of SAPPD ITB held a joint studio program between Architecture Program of ITB and University of Malaya (UM). The activities officially took place on January 27 until February 16, 2014. A total of nine UM students were joining ITB students on Design Studio IV. They worked on a studio project of a shelter facility for humanity at urban infill with location behind Pasar Baru Bandung. The students were exploring tectonics in Architecture on the project.
One Day International Workshop on PPP
25 November 2013

SAPPD ITB in cooperation with the Asian Public Private Partnership Institute (AP3I) for the second times held an International Workshop for a full day in SAPPD ITB, named “One Day International Workshop on PPP”. Present as the speakers as well as the facilitator of AP3I were Prof. Sam Tabuchi (Japan), Prof. Miller (USA) and Prof. Kharuddin (Malaysia).

The workshop consists of discussions on best practices and sharing experiences on Public Private Partnership process and mechanism. It was attended by students from SAPPD and representatives from a number of local institutions / regions. In addition, as a form of capacity building, the workshop was expected to equip the participants with new knowledge / actual and real-life experiences.

The Second PlanoCosmo Conference
21-22 Oktober 2013, ITB

Planocosmo International Conference is an academic event arranged by Urban and Regional Planning Department, School of Architecture, Planning, and Policy Development, Institut Teknologi Bandung. The first Planocosmo Conference was held on October 8-9, 2012. The word planocosmo refers to planning cosmopolitan society cosmologically. Cosmopolitan society is an ideal condition of pluralistic, tolerant, and civilized society while cosmological planning is a spatial planning process based on knowledge about strength and balance of the universe.
This inaugural seminar, named HABITechno, focused on innovations in the concepts and solutions of contemporary technologies for the development of housing and human settlements, particularly for the low-income in the developing world. HABITechno seminar will become part of these responses and will address topics related to housing and settlement for the low-income people, focusing on innovations in the concepts, solutions, and technical aspects related to the technologies in housing and human settlements development.

HABITechno seminar invites academic communities, from universities and other research institutions as well as from various disciplines, to present papers on innovations related to the response to challenges stated above in the development of housing and human settlement based on academic research and to share knowledge with others. This seminar is open to participants from various disciplines since innovation can be related to various aspects of housing and human settlement development; from planning to design aspects, in the management aspects, from engineering aspects to social aspects, from economic/financial views to institutional views.

The Arte-Polis 4 consists of an international conference and workshop with the theme “Creative Connectivity and the Making of Place: Living Smart by Design”. The aim of Arte-Polis 4 is to bring together and to connect practitioners, academics, artists, community leaders, local government officials, policy-makers and other professionals from diverse disciplines and regions around the world concerned with the quality of life and collaborative nature of creative communities in urban, rural and pastoral places. Its objective is to share and learn from international and local experiences regarding current issues, best practices and policy implications of creative connectivity on place-making.
Public and Guest Lectures

Introduction for New Undergraduates
Students of SAPPD 2014 Class
Tuesday, August 12th 2014
Multipurpose Room SAPPD, ITB

Introduction for New Postgraduate
Students of SAPPD 2014 Class
Monday, August 11th 2014
Multipurpose Room SAPPD, ITB

School Visit from SMUN 81 Jakarta
Friday, November 14th 2014
Seminar Room SAPPD, ITB

Guest Lecture: Raul Renanda
Monday, April 28th 2014 8.00-11.00
Architecture Gallery, ITB
Guest Lecture: Yoshiuki Murayama  
Wednesday, March 19th 2014  
Seminar Room SAPPD, ITB

Guest Lecture: Alex Tzannes  
Wednesday, October 9th 2013  
Architecture Gallery, ITB

Guest Lecture: Alan Pert  
Tuesday, February 18th 2014  
Architecture Gallery, ITB

Guest Lecture: Kevin Mark Low  
Thursday, November 7th 2013  
Architecture Gallery, ITB
Summer Camp & Excursion

Summer Camp 2014 - Ubud, Bali
"Preserving of Urban Cultural Heritage in Tourism Destination Town"
ITB and RUG

Summer Camp 2013 - Yogyakarta
"Theater of Memory"
ITB, UGM and UF

Summer Camp 2012 - Sawahlunto
"Discovering Sawahlunto"
ITB, UF and Municipality of Sawahlunto

Excursion 2013 - Jakarta
The First Common Year Class of 2013
Curriculum Discussion & Visitation

FGD Strategic Plan SAPPD 2011-2015 & New Curriculum SAPPD 2013
Grand Hotel Lembang, 2012

KAAB Accreditation Visitation of Architecture Program
Architecture Gallery, ITB, 2012

Accreditation Visitation of Landscape Architecture Program
ITB Jatinangor, 2014
## Library

### Architecture Program Library Collection

on the First Trisemester 2014

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### Urban and Regional Planning Program Library Collection

the First Trisemester 2014

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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 and Regional Planning**
- Undergraduate
- Master
- Doctoral

**Urban Design**
- Master

**Transportation**
- Master
- Doctoral

**Development Studies**
- Master

**Defence Studies**
- Master

**Tourism Planning**
- Master

**Landscape Architecture**
- Master

### NATIONAL ACCREDITATION

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ARCHITECTURE

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 form 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 firstly 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.

Graduate 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
- Doktor 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 2013, the School of Architecture, Planning and Policy Development ITB received an official notification from the KAAB, stating that a full five years KSE is granted for the professional degree in architecture program. 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 the 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)
- National Architectural Accrediting Board (NAAB)

ADDRESS
Institut Teknologi Bandung
Gedung Labtek IXB
Jl. Ganesa 10, Bandung 40132
Indonesia
Telephone : (022) 2504962
Fax : (022) 2530705
Website : www.ar.itb.ac.id
Email : kadep@ar.itb.ac.id
### Structure of Curriculum

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<td>AR3241</td>
<td>Housing and Settlements Design</td>
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<tr>
<td>ARxxxx</td>
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</tr>
<tr>
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Total Load : 18 credits
### Semester VII

<table>
<thead>
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<tr>
<td>AR4090</td>
<td>Architectural Design Studio V</td>
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<tr>
<td>AR4050</td>
<td>Final Design Project Preparation</td>
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<tr>
<td>AR4051</td>
<td>Comprehensive Examination</td>
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<tr>
<td>AR4111</td>
<td>Introduction to Urban Design</td>
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<tr>
<td>AR4151</td>
<td>Architecture Seminar</td>
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</tr>
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<td>ARxxxx</td>
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**Total Load: 17 credits**

### Semester VIII

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<td>AR4052</td>
<td>Architects Professional Practice</td>
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<td>AR4231</td>
<td>Architectural Criticism</td>
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<td>ARxxxx</td>
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**Total Load: 15 credits**

### ITB Core Courses

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<td>Religions and Ethics</td>
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<tr>
<td>KU2071</td>
<td>Pancasila and Nationality</td>
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### Elective Courses

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<tr>
<td>AR3111</td>
<td>Principles of Landscape Architecture</td>
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<td>AR3211</td>
<td>Introduction to Architectural Research</td>
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<tr>
<td>AR3122</td>
<td>Appropriate Architecture</td>
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<td>AR3231</td>
<td>Colonial Architecture</td>
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<td>AR3132</td>
<td>Historic Building Documentation</td>
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<td>AR3232</td>
<td>Indonesian Architecture Post-Independence</td>
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</tr>
<tr>
<td>AR4121</td>
<td>Algorithmic Approach in Design</td>
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<tr>
<td>AR3242</td>
<td>Housing and Settlement Typomorphology</td>
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</tr>
<tr>
<td>AR4141</td>
<td>Community Participation in Housing</td>
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</tr>
<tr>
<td>AR4211</td>
<td>Architecture and Urbanism</td>
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<tr>
<td>AR4142</td>
<td>Introduction to Real Estate</td>
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<tr>
<td>AR4212</td>
<td>Preservation of Historic Buildings and Sites</td>
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<td>AR4221</td>
<td>Building Economics</td>
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<tr>
<td>AR4222</td>
<td>Introduction to BIM in Architecture</td>
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<tr>
<td>AR4232</td>
<td>Architecture of Islam</td>
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<tr>
<td>AR4241</td>
<td>Settlements for Low-Income Society</td>
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</table>
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 2013, the School of Architecture, Planning and Policy Development ITBT received an official notification from the KAAB, stating that a full five years KSE is granted for the professional degree in architecture program. 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.

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Fax : (022) 2530705
Website : www.ar.itb.ac.id; www.sps.itb.ac.id
Email : sekres2@ar.itb.ac.id
# Structure of Curriculum

## Major in Design

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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<tbody>
<tr>
<td>AR5190 Studio 1</td>
<td>AR5290 Studio 2</td>
</tr>
<tr>
<td>AR5141 Research Methodology</td>
<td>AR5241 Housing and city</td>
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<td>Xxxxx Elective</td>
<td>AR5213 Architectural Theory and Criticism</td>
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</table>

Total Load: 12 credits

## Semester III

<table>
<thead>
<tr>
<th>AR6151 Architecture, Development and Culture of Indonesia</th>
<th>AR6099 Thesis</th>
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</thead>
<tbody>
<tr>
<td>Xxxxx Elective</td>
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<tr>
<td>Xxxxx Elective</td>
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</table>

Total Load: 6 credits

## Major in Research

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<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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<tbody>
<tr>
<td>AR5150 Thematic Research I</td>
<td>AR5250 Thematic Research II</td>
</tr>
<tr>
<td>AR5141 Research Methodology</td>
<td>AR5241 Housing and city</td>
</tr>
<tr>
<td>AR5142 Data Analysis</td>
<td>AR5213 Architectural Theory and Criticism</td>
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<td>Xxxxx Elective</td>
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Total Load: 12 credits

## Semester III

<table>
<thead>
<tr>
<th>AR6151 Architecture, Development and Culture of Indonesia</th>
<th>AR6099 Thesis</th>
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Total Load: 6 credits

## Elective Course

<table>
<thead>
<tr>
<th>AR5121 Architecture and Technology</th>
<th>AR5211 Facility Programming</th>
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<tr>
<td>AR5122 Digital Architecture</td>
<td>AR5212 Professional Ethics</td>
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<tr>
<td>AR6095 Independent Studies</td>
<td>AR5231 Vernacular Architecture of Indonesia</td>
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<tr>
<td>AR6112 Local Culture on Architectural Design</td>
<td>AR5242 Built Environment Analysis</td>
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<tr>
<td>AR6121 Bamboo Building Technology</td>
<td>AR6054 Special Topic</td>
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<tr>
<td>AR6131 World Contemporary Architecture</td>
<td>AR6223 Project Economic Development</td>
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<tr>
<td>AR6142 Design in the Context of Transformation</td>
<td>AR6242 Built Environment Development Project</td>
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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 works 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)

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Email : sekres2@ar.itb.ac.id
## Structure of Curriculum

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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<tbody>
<tr>
<td><strong>AR7101</strong> Architectural Colloquium</td>
<td><strong>AR7299</strong> Proposal Writing</td>
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<tr>
<td><strong>AR7102</strong> Architectural Research Methodology</td>
<td><strong>AR720x</strong> Elective</td>
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<td><strong>SD7101</strong> The Philosophy of Science</td>
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<td><strong>AR7199</strong> Preliminary Examination</td>
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<thead>
<tr>
<th>Semester III</th>
<th>Semester IV</th>
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<tbody>
<tr>
<td><strong>AR8195</strong> Research and Progress Report I</td>
<td><strong>AR8295</strong> Research and Progress Report II</td>
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<table>
<thead>
<tr>
<th>Semester V</th>
<th>Semester VI</th>
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<tbody>
<tr>
<td><strong>AR9195</strong> Research and Progress Report III</td>
<td><strong>AR9295</strong> Research and Progress Report IV</td>
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<tr>
<td>5</td>
<td>5</td>
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<tr>
<td><strong>AR9099</strong> Dissertation Examination</td>
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### Electives

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<tr>
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<tr>
<td><strong>AR7202</strong> Qualitative Data Analysis</td>
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Sumber: "Lapangan Gasibu." 6
054'00.94"S dan 107°037'07.44"E. Google Earth. 13 Mei 2014.
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 firstly established in September 1959, with initial help of 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 dan 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 regional and city 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)

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Website: www.pl.itb.ac.id
Email: itbpwk@pl.itb.ac.id
### Structure of Curriculum

#### Semester I

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<thead>
<tr>
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<td>MA1101</td>
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<tr>
<td>FI1102</td>
<td>Elementary Physics I B</td>
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<tr>
<td>KI1102</td>
<td>Basic Chemistry I B</td>
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<td>KU1101</td>
<td>Introduction to Design and Engineering I</td>
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<tr>
<td>KU1011</td>
<td>Scientific Writing in Indonesian</td>
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<tr>
<td>KU1001</td>
<td>Sports</td>
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<tr>
<td>AR1101</td>
<td>Fundamentals of Planning and Design</td>
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**Total Load : 18 credits**

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<td>Elementary Physics II B</td>
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<td>KI1202</td>
<td>Basic Chemistry II B</td>
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<tr>
<td>KU1102</td>
<td>Introduction to Design and Engineering II</td>
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<tr>
<td>KU102x</td>
<td>English</td>
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<tr>
<td>KU1072</td>
<td>Introduction to Information Technology</td>
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<td>PL1202</td>
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**Total Load : 18 credits**

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<tr>
<td>PL2101</td>
<td>Environment and Natural Resources</td>
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<tr>
<td>PL2102</td>
<td>Spatial Pattern and Structure</td>
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</tr>
<tr>
<td>PL2151</td>
<td>Introduction to Economics</td>
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<tr>
<td>PL2103</td>
<td>Introduction To Spatial Data</td>
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<tr>
<td>PL2104</td>
<td>Population Analysis in Planning</td>
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<td>PL2105</td>
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**Total Load : 18 credits**

#### Semester IV

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<tr>
<td>PL2201</td>
<td>Land Use Planning</td>
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<tr>
<td>PL2231</td>
<td>Introduction to Urban and Regional Infrastructure</td>
<td>2</td>
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<tr>
<td>PL2211</td>
<td>Housing System</td>
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<tr>
<td>PL2202</td>
<td>Planning Methods II</td>
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<tr>
<td>PL2209</td>
<td>Planning Process Studio</td>
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<td>PL2241</td>
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**Total Load : 18 credits**

#### Semester V

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<tr>
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<td>PL3101</td>
<td>Social System and Community Development</td>
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<tr>
<td>PL3131</td>
<td>Urban and Regional Infrastructure Planning</td>
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</tr>
<tr>
<td>PL3119</td>
<td>Site Planning Studio for Residential</td>
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<tr>
<td>PL3141</td>
<td>Development Finance</td>
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**Total Load : 18 credits**

#### Semester VI

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<tr>
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<tr>
<td>PL3222</td>
<td>Rural Planning</td>
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<tr>
<td>PL3219</td>
<td>Urban planning Studio</td>
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<tr>
<td>PL3239</td>
<td>Urban and Regional Infrastructure Studio</td>
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</tr>
<tr>
<td>PL3241</td>
<td>Development Administration &amp; Management</td>
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**Total Load : 18 credits**
<table>
<thead>
<tr>
<th>Semester VII</th>
<th>Semester VIII</th>
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<tbody>
<tr>
<td>PL4129 Regional Planning Studio</td>
<td>PL4201 Planning Theory</td>
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<tr>
<td>PL4112 Urban Design</td>
<td>PL4202 Development Control</td>
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<tr>
<td>PL4190 Internship</td>
<td>PL4200 Final Project</td>
</tr>
<tr>
<td>PL4101 Research Methods</td>
<td>PL4200 Planning Information System</td>
</tr>
<tr>
<td>PL4102 Planning Evaluation</td>
<td>PL4200 Religion and Ethics</td>
</tr>
<tr>
<td>XXXXXX Elective</td>
<td>PL4200 Planning Information System</td>
</tr>
<tr>
<td>XXXXXX Elective</td>
<td>PL4200 Religion and Ethics</td>
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<tr>
<td>Total Load: 18 credits</td>
<td>Total Load: 18 credits</td>
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</table>

**ITB Core Courses**

- KU206x Religions and Ethics: 2 credits
- KU2071 Pancasila and Nationality: 2 credits
- Management Course: 2 credits
- Environmental Course: 2 credits

**Core Courses by Topic**

- Management: Development Management & Administration: 3 credits
- Environmental: Environment & Natural Resources: 3 credits
- Environmental: Introduction to Environmental Geology: 2 credits

**Elective Courses**

- PL3001 Disaster Aspects in Planning: 2 credits
- PL3002 Special Topic in Planning I: 2 credits
- PL3011 Land Development: 2 credits
- PL3031 Infrastructure and Transportation Economics: 2 credits
- PL4001 Introduction to Tourism Planning: 2 credits
- PL4002 Coastal Area Development: 2 credits
- PL4003 Regional and Urban Modelling: 2 credits
- PL4004 Participatory Planning: 2 credits
- PL4005 Capita Selecta: 2 credits
- PL4006 Special Topic in Planning II: 2 credits
- PL4007 City and Regional Innovation System: 2 credits
- PL4008 Seminar in Futuristic Studies: 2 credits
- PL4012 Urban Revitalization and New Town Planning: 2 credits
- PL4031 Transportation Institution: 2 credits
- PL4032 Transportation Modelling: 2 credits
- PL4041 Introduction to Urban Finance: 2 credits
- PL4042 Planning & Politics: 2 credits
MASTER PROGRAM

Commencement semester : August
Duration :
  Regular Program : 4 semesters full-time, can be completed in 13 to 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 or in Japan.
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.
Degree Granted : Magister Teknik (equivalent to Master Degree)

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
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
The curriculum for master degree program is differentiated into 2 (two) categories:

1. Regular program, delivered in Bahasa Indonesia, with 4 (four) specialized fields: Regional Development, City Planning, Urban Management, Infrastructure and Transportation System.

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.
   - Regional Development and Policy Analysis, administered in collaboration with several universities in Japan, namely: National Graduate Institute for Policy Studies / GRIPS, Ritsumeikan University, Kobe University and Keio 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 one from relevant partner university in the Netherlands or Japan (degree: varied according to each university).

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Email: pm-pwk@pl.itb.ac.id
## Structure of Curriculum

### Core Course

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL5101  Advanced Planning Analytical Methods</td>
<td>2 PL5202  Development Institution and Finance 3</td>
</tr>
<tr>
<td>PL5102  Environment and Resources</td>
<td>3 PL5203  Advanced Research Methods 3</td>
</tr>
<tr>
<td>PL5103  Spatial Economics</td>
<td>3 PLxxxx  Core course based on Major 4</td>
</tr>
<tr>
<td>PLxxxx  Core course based on Major</td>
<td>2 PLxxxx  Core course based on Major 2</td>
</tr>
<tr>
<td>XXxxxx  Elective</td>
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</table>

Total Load : 12 credits

### Semester III

<table>
<thead>
<tr>
<th>Semester IV</th>
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</thead>
<tbody>
<tr>
<td>PL5201  Advance Planning Theory</td>
</tr>
<tr>
<td>PLxxxx  Core course based on Major</td>
</tr>
</tbody>
</table>

Total Load : 6 credits

### Major in Regional Development

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL5121  Regional Development</td>
<td>2 PL5111  Urban Development Planning 2</td>
</tr>
<tr>
<td>Semester II</td>
<td></td>
</tr>
<tr>
<td>PL5221  Regional Development Studio</td>
<td>4 PL5211  Urban Development Planning Studio 4</td>
</tr>
<tr>
<td>PL5222  Rural Development</td>
<td>2 PL5213  Contemporary Topics in Urban Development 2</td>
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</table>

### Major in City Planning

<table>
<thead>
<tr>
<th>Semester III</th>
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</thead>
<tbody>
<tr>
<td>PL6122  Urbanization and Population Mobility</td>
</tr>
<tr>
<td>PL6123  The Contemporary Topics of Regional Development</td>
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### Major in Urban Management

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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</thead>
<tbody>
<tr>
<td>PL5141  Urban Governance</td>
<td>2 PL5131  Infrastructure and Transportation System 2</td>
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<tr>
<td>Semester II</td>
<td></td>
</tr>
<tr>
<td>PL5241  Urban and Regional Governance Studio</td>
<td>4 PL5231  Infrastructure and Transportation System Studio 4</td>
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<tr>
<td>PL5242  Public Policy Analysis</td>
<td>2 PL5232  Infrastructure and Transportation Planning 2</td>
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</table>

### Major in Infrastructure and Transportation System

<table>
<thead>
<tr>
<th>Semester III</th>
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</thead>
<tbody>
<tr>
<td>PL6141  Conflict Management</td>
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<tr>
<td>PL6143  Urban Land Management</td>
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</table>
## Major in Disaster Mitigation Planning

### Semester I

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>PL5151</td>
<td>Introduction to Disaster Mitigation Planning</td>
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### Semester II

<table>
<thead>
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<tr>
<td>PL5251</td>
<td>Disaster Mitigation Planning Studio</td>
<td>4</td>
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<tr>
<td>PL5252</td>
<td>Information and Geo-spatial Technology in Disaster Management</td>
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### Semester III

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PL6151</td>
<td>Community based Adaptation and Disaster Mitigation</td>
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</tr>
<tr>
<td>PL6153</td>
<td>Climate Change Adaptation and Policy</td>
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## Electives

<table>
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<tbody>
<tr>
<td>PL5105</td>
<td>Urban and Regional Planning</td>
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<tr>
<td>PL6002</td>
<td>Advanced Special Topic in Planning</td>
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</tr>
<tr>
<td>PL6104</td>
<td>Spatial Econometrics</td>
<td>2</td>
</tr>
<tr>
<td>PL6105</td>
<td>Urban Public Finance</td>
<td>2</td>
</tr>
<tr>
<td>PL6106</td>
<td>Urban and Regional Planning Modelling</td>
<td>2</td>
</tr>
<tr>
<td>PL6107</td>
<td>Industrial Zone Planning</td>
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</tr>
<tr>
<td>PL6108</td>
<td>Infrastructure of Industrial District</td>
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## Double Degree Program

### Semester I

<table>
<thead>
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<tbody>
<tr>
<td>PL5101</td>
<td>Advance Planning Methods</td>
<td>2</td>
</tr>
<tr>
<td>PL5102</td>
<td>Resource and Environment</td>
<td>3</td>
</tr>
<tr>
<td>PL5103</td>
<td>Spatial Economics</td>
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### Elective Course 1

<table>
<thead>
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### Elective Course 2

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### Semester II

<table>
<thead>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PL5201</td>
<td>Advance Planning Theory</td>
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<tr>
<td>PL5202</td>
<td>Development Finance and Institution</td>
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</tr>
<tr>
<td>PL5203</td>
<td>Planning Studio</td>
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</tr>
<tr>
<td>PL5204</td>
<td>Advance Research Methodology</td>
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### Semester III

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<td>PL6001</td>
<td>Thesis</td>
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### Semester IV

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</thead>
<tbody>
<tr>
<td>PL6001</td>
<td>Thesis</td>
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</table>

Total Load: 12 credits

(Studying abroad in partner University) 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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Website: www.pl.itb.ac.id; www.sps.itb.ac.id
Email: pd-pwk@pl.itb.ac.id; cc: jeane@pl.itb.ac.id
<table>
<thead>
<tr>
<th>Semester I</th>
<th>Structure of Curriculum for Student with Similar Educational Background</th>
</tr>
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<tbody>
<tr>
<td>PL7001 Philosophy of Science</td>
<td>2</td>
</tr>
<tr>
<td>PL7111 Planning Theory Seminar</td>
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<tr>
<td>PL7003 Preliminary Examination</td>
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<td>XXxxxx Elective</td>
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<td>Total Load : 9 credits</td>
<td>Total Load : 12 credits</td>
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<table>
<thead>
<tr>
<th>Semester II</th>
<th>Structure of Curriculum for Student with Different Educational Background</th>
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<tbody>
<tr>
<td>PL7002 Urban and Regional Planning Research Methodology</td>
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<td>PL7004 Proposal Writing</td>
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<td>XXxxxx Elective</td>
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<td>Total Load : 8 credits</td>
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<table>
<thead>
<tr>
<th>Semester III</th>
<th>Structure of Curriculum for Student with Different Educational Background</th>
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<tbody>
<tr>
<td>PL8001 Research and Progress Report I</td>
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<td>XXxxxx Elective</td>
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<td>Total Load : 5 credits</td>
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<table>
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<th>Semester IV</th>
<th>Structure of Curriculum for Student with Different Educational Background</th>
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<tbody>
<tr>
<td>PL8002 Research and Progress Report II</td>
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<td>XXxxxx Elective</td>
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<tr>
<td>Total Load : 5 credits</td>
<td>Total Load : 7 credits</td>
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<table>
<thead>
<tr>
<th>Semester V</th>
<th>Structure of Curriculum for Student with Different Educational Background</th>
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<tbody>
<tr>
<td>PL9001 Research and Progress Report III</td>
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<td>XXxxxx Elective</td>
<td>2</td>
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<td>Total Load : 5 credits</td>
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<table>
<thead>
<tr>
<th>Semester VI</th>
<th>Structure of Curriculum for Student with Different Educational Background</th>
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</thead>
<tbody>
<tr>
<td>PL9002 Research and Progress Report IV</td>
<td>5</td>
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<tr>
<td>PL9098 Dissertation Examination</td>
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<table>
<thead>
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<tbody>
<tr>
<td>PL7101 Environment and Resources Seminar</td>
<td>2</td>
</tr>
<tr>
<td>PL8003 Scientific Writing in National Proceeding</td>
<td>2</td>
</tr>
<tr>
<td>PL8004 Scientific Writing in International Proceeding</td>
<td>2</td>
</tr>
<tr>
<td>PL8005 Independent Study</td>
<td>2</td>
</tr>
<tr>
<td>PL9003 Scientific Writing in National Journal</td>
<td>2</td>
</tr>
<tr>
<td>PL9004 Scientific Writing in International Journal</td>
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</tbody>
</table>
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 begin in 2001, supported by a number of dedicated academic staff from Department of Urban and Regional Planning and Department of Architecture, who work shoulder to shoulder to incubate the program. 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)

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Website: www.ar.itb.ac.id/rk; www.sps.itb.ac.id
Email: sekres2@ar.itb.ac.id
Structure of Curriculum

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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<tbody>
<tr>
<td>RK5131 History and Theory of Urban Design</td>
<td>RK5211 Case study in Urban Design</td>
</tr>
<tr>
<td>RK5111 Urban Design Principles</td>
<td>RK5200 Urban Design Studio II</td>
</tr>
<tr>
<td>RK5112 Urban Design Methods</td>
<td>XXxxxx Elective 2</td>
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<tr>
<td>RK5100 Urban Design Studio I</td>
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<table>
<thead>
<tr>
<th>Semester III</th>
<th>Semester IV</th>
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<tbody>
<tr>
<td>RK6111 Research Methodology</td>
<td>RK6090 Thesis</td>
</tr>
<tr>
<td>RK6112 Urban Design Control</td>
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<tr>
<td>RK6100 Urban Design Studio III</td>
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<tr>
<td>Total Load : 9 credits</td>
<td>Total Load : 6 credits</td>
</tr>
</tbody>
</table>

Core Electives

- RK5211 Case Study in Urban Design 2
- RK6112 Urban Design Control 2

Electives

- RK5212 Urban Conservation 2
- RK5113 Special Topic I 2
- RK5213 Special Topic II 2
- PL6108 Infrastructure & Transportation Planning 2
- PL6122 Urban Land Management 2

Students Excursion of Studio AR4090, 2013
Doc. Widjaja Martokusumo
DEVELOPMENT STUDIES

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 that 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.

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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Website : www.sappk.itb.ac.id/msp/
Email : spitb@melsa.net.id
## Structure of Curriculum

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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<tbody>
<tr>
<td>SP6101 Development Theories &amp; Global Issues</td>
<td>SP6201 Public Governance and Democracy</td>
</tr>
<tr>
<td>SP6102 Principles of Economics</td>
<td>SP6202 Innovation for Inclusive Development</td>
</tr>
<tr>
<td>SP6103 Ethics in Development</td>
<td>SP6203 Multi-discipline research Methodology</td>
</tr>
<tr>
<td>SP6104 Environmental Sustainability</td>
<td>XXxxxx Elective 2</td>
</tr>
<tr>
<td>SP6105 Technology and Social Change</td>
<td>XXxxxx Elective 1</td>
</tr>
<tr>
<td>Total Load: 12 credits</td>
<td>Total Load: 12 credits</td>
</tr>
</tbody>
</table>

### Semester III

| SP6106 Development Praxis Studio   | 2 |
| XXxxxx Elective 3                  | 2 |
| XXxxxx Elective 4                  | 2 |
| SP6005 Thesis                     | 6 |
| Total Load: 12 credits             |   |

### Electives

| SP6004 Integrated Coastal and Ocean Development System | 3 |
| SP6006 Special Topics in Sustainable Development     | 2 |
| SP6007 Project Management for Sustainable Development | 2 |
| SP6008 System Dynamics for Development               | 3 |
| SP6205 Actor-Network Theory for Sociotechnology Studies | 2 |
TRANSPORTATION

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).

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Website  : www.sappk.itb.ac.id/tr/
Email  : kaproditr@sappk.itb.ac.id
## Structure of Curriculum

### Semester I

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
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<tbody>
<tr>
<td>TR5101</td>
<td>Element and Transportation System</td>
<td>3</td>
</tr>
<tr>
<td>TR5105</td>
<td>Transportation Analytical Method</td>
<td>2</td>
</tr>
<tr>
<td>TR5103</td>
<td>Transportation System Planning</td>
<td>3</td>
</tr>
<tr>
<td>TR6102</td>
<td>Transportation Institution</td>
<td>2</td>
</tr>
<tr>
<td>XXxxxx</td>
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</tr>
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### Semester II

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<tr>
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<tbody>
<tr>
<td>TR5202</td>
<td>Research Methodology</td>
<td>3</td>
</tr>
<tr>
<td>TR5204</td>
<td>Transportation and Land Use</td>
<td>2</td>
</tr>
<tr>
<td>TR5290</td>
<td>Transportation Planning Studio</td>
<td>3</td>
</tr>
<tr>
<td>TR6101</td>
<td>Transportation Economics</td>
<td>2</td>
</tr>
<tr>
<td>XXxxxx</td>
<td>Elective 2</td>
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<tr>
<td></td>
<td><strong>Total Load</strong>: <strong>12 credits</strong></td>
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### Semester III

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXxxxx</td>
<td>Elective 3</td>
<td>2</td>
</tr>
<tr>
<td>XXxxxx</td>
<td>Elective 4</td>
<td>2</td>
</tr>
<tr>
<td>XXxxxx</td>
<td>Elective 5</td>
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### Semester IV

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit</th>
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<tbody>
<tr>
<td>TR6000</td>
<td>Thesis</td>
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<tr>
<td>XXxxxx</td>
<td>Elective 6</td>
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</tr>
<tr>
<td>XXxxxx</td>
<td>Elective 7</td>
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<td></td>
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### Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
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<tbody>
<tr>
<td>TR5001</td>
<td>Intelligent Transport System</td>
<td>2</td>
</tr>
<tr>
<td>TR5002</td>
<td>Transportation Forecasting and Modelling</td>
<td>2</td>
</tr>
<tr>
<td>TR5003</td>
<td>Traffic and Movement</td>
<td>2</td>
</tr>
<tr>
<td>TR5004</td>
<td>Public Transport System</td>
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</tr>
<tr>
<td>TR5005</td>
<td>Transportation Finance</td>
<td>2</td>
</tr>
<tr>
<td>TR6001</td>
<td>Logistics Management</td>
<td>2</td>
</tr>
<tr>
<td>TR6002</td>
<td>Transportation and Environment</td>
<td>2</td>
</tr>
<tr>
<td>TR6003</td>
<td>Transportation Safety</td>
<td>2</td>
</tr>
<tr>
<td>TR6004</td>
<td>Economy and Business for Transportation</td>
<td>2</td>
</tr>
<tr>
<td>TR6005</td>
<td>Tariff Policy</td>
<td>2</td>
</tr>
<tr>
<td>TR6006</td>
<td>Freight Transportation</td>
<td>2</td>
</tr>
<tr>
<td>TR6007</td>
<td>Transport Planning and Management</td>
<td>2</td>
</tr>
<tr>
<td>TR6008</td>
<td>Supply Chain Management</td>
<td>2</td>
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</table>
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)

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Email : kaproditr@sappk.itb.ac.id
### Structure of Curriculum

#### Semester I
- **TR7001** Transport System Analysis 3
- **TR7004** Philosophy of Science 2
- **TR7002** Preliminary Examination 3
- **TR7005** Research Methodology 3

Total Load: 11 credits

#### Semester II
- **TR7003** Proposal Writing 3
- **XXxxxx** Core Elective 1 3
- **XXxxxx** Elective 2 2
- **XXxxxx** Elective 3 2
- **XXxxxx** Elective 4 2

Total Load: 12 credits

#### Semester III
- **TR8001** Research and Progress Report I 5
- **XXxxxx** Elective 5 2
- **XXxxxx** Elective 6 2
- **XXxxxx** Elective 7 2

Total Load: 11 credits

#### Semester IV
- **TR8002** Research and Progress Report II 5
- **XXxxxx** Elective 5 2
- **XXxxxx** Elective 6 2
- **XXxxxx** Elective 7 2

Total Load: 5 credits

#### Semester V
- **TR9001** Research and Progress Report III 5

Total Load: 5 credits

#### Semester VI
- **TR9002** Research and Progress Report IV 5
- **TR9003** Dissertation Examination 3

Total Load: 8 credits

#### Electives
- **TR7101** Advanced Transportation Modelling 3
- **TR7102** Transport Policy Analysis 3
- **TR7201** Seminar of Transport Contemporary Policies 2
- **TR7202** Seminar on Sustainable Transportation 2

Total Load: 5 credits
Enu Island, the foremost island in Southern Middle Aru District, Aru Islands Regency, Maluku Province. The island is located on Arafuru Sea, adjacent to Australia.
DEFENSE STUDIES

Courses on Defense Studies at ITB were firstly offered in August 2005 as one of specialized fields of study under the graduate program in Development Studies. Curriculum and teaching staff development was initially supported by experts from Cranfield University, Defense academy of the United Kingdom, in collaboration with the Department of Defense, the Republic of Indonesia. The unique character of the program and proximity to the nation’s security institutions has along the way laid the foundation of educational partnerships with other renowned institutions, including Giessen University and Friedrich Ebert Stiftung.

Master program in Defense Studies of the School of Architecture, Planning and Policy Development ITB was launched on 30 December 2008, to provide academically rigorous and policy-relevant strategic analysis and defense management science, in the framework of rapidly reinforcing and building capacity in areas critical to the national defense, security and sovereignty.

The learning system adopted by the program will enable students, consisting of civilians from diverse educational and professional backgrounds and military personnel, to develop strong analytical frameworks for comprehending today’s strategic, defense, and security issues at national, Asia Pacific and global level. The teaching faculty includes leading academics and professionals with relevant expertise, to strike the balance between theory and practice.
MASTER PROGRAM

Commencement semester: August
Duration: Regular Program : 3 semesters full-time
Credit units: 36 minimum
Admission requirements: Bachelor or D-4 degree in science, engineering, social & human sciences, economics; For military personnel, D-3 Degree from Akabri plus advanced training Suslapa and/or Sesko Angkatan; Academic Potential Test, English Proficiency Test, Interview.
Degree Granted: Magister Studi Pertahanan (Master in Defense Studies, equivalent to Master Degree in Applied Sciences)

PROGRAM OUTLINE
Students of Defense Studies are exposed to strategic, defense and security issues from the multitude of perspectives, with hands-on exercises and case studies, to comprehend the challenges of the 21st century peace and security environment. Through class discussion and final project supervision, students are guided to achieve perspectives on a wide variety of issues and improve their insight, logical way of thinking and analytical ability.

CAREER OPPORTUNITIES
Alumni of the program have a wide range of career possibilities available to them. They are represented in an extensive variety of professions, organizations and activities, including: defense policy, military forces, foreign affairs, international organizations, non-governmental organizations, mass-media, university scholars and researchers. Networks between students endure as their careers develop in Indonesia and elsewhere.

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

CURRICULUM
The curriculum for master degree program is organized into 2 (two) specialized fields of study:
1. Strategic Studies (SS)
2. Defence Management Sciences (DM)

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:
- Cranfield University, Defence Academy of the United Kingdom, Shrivenham, United Kingdom
- Institute of Defence and Security Studies (IDSS), Nanyang Technological University, Singapore

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Website: www.sappk.itb.ac.id/pertahanan/
Email: dekan@sappk.itb.ac.id
### Structure of Curriculum

#### Semester I

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SH5101</td>
<td>Art, Science and Technology of War</td>
<td>3</td>
</tr>
<tr>
<td>SH5102</td>
<td>Culture, Society and National Resilience</td>
<td>2</td>
</tr>
<tr>
<td>SH5103</td>
<td>Defense &amp; Security Sector Governance</td>
<td>3</td>
</tr>
<tr>
<td>SH5104</td>
<td>Defense Economics and Finance</td>
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Total Load: 10 credits

#### Semester II

<table>
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<tbody>
<tr>
<td>SH5201</td>
<td>Spatial Planning for Defense</td>
<td>3</td>
</tr>
<tr>
<td>SH5201</td>
<td>Defense System &amp; Technological Innovation</td>
<td>3</td>
</tr>
<tr>
<td>XXxxxx</td>
<td>Elective 1</td>
<td>3</td>
</tr>
<tr>
<td>XXxxxx</td>
<td>Elective 2</td>
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Total Load: 11 credits

#### Semester III

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<tr>
<td>SH5105</td>
<td>Ethics in Profession</td>
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</tr>
<tr>
<td>SH5106</td>
<td>Defense System Model Studio</td>
<td>4</td>
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<tr>
<td>XXxxxx</td>
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Total Load: 9 credits

#### Semester IV

<table>
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<tbody>
<tr>
<td>SH5000</td>
<td>Thesis/ Final Project</td>
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<tr>
<td>XXxxxx</td>
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Total Load: 6 credits

#### Electives

<table>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SH5011</td>
<td>Information Warfare</td>
<td>3</td>
</tr>
<tr>
<td>SH5012</td>
<td>Issues in Defense Technologies</td>
<td>2</td>
</tr>
<tr>
<td>SH5013</td>
<td>Defense Simulation and Modeling</td>
<td>2</td>
</tr>
<tr>
<td>SH5021</td>
<td>Transnational Security</td>
<td>3</td>
</tr>
<tr>
<td>SH5022</td>
<td>Defense Acquisition and Logistics</td>
<td>2</td>
</tr>
<tr>
<td>SH5023</td>
<td>Issues in Defense Management</td>
<td>2</td>
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</tbody>
</table>
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 can 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 exposed to the real problems that have to be solved in planning studios. Students will also 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 a 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).

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 credits master program that can be undertaken in 3 consecutive semesters on a full time basis.

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Website : www.sappk.itb.ac.id/pariwisata/
Email : siti@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 3</td>
<td>PK5201 Tourism Research 2</td>
</tr>
<tr>
<td>PK5102 Infrastructure &amp; Transportation System for Tourism 2</td>
<td>PK5202 Tourism Impact 2</td>
</tr>
<tr>
<td>PK5103 Tourism Development Planning 3</td>
<td>PK5290 Tourism Destination Planning Studio 4</td>
</tr>
<tr>
<td>XXxxx Elective 1 2</td>
<td>XXxxx Elective 3 2</td>
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<tr>
<td>XXxxx Elective 2 2</td>
<td>XXxxx Elective 4 2</td>
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<td><strong>Total Load : 12 credits</strong></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 2</td>
<td>PK6099 Final Project 5</td>
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<tr>
<td>PK6102 Professional Ethics 3</td>
<td></td>
</tr>
<tr>
<td>XXxxx Elective 5 2</td>
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### Elective Course

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

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 on every planning and development activity. Institut Teknologi Bandung, which has core-competences on 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 are occupied 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.

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Email : arsitekturlanskap@sappk.itb.ac.id

Kampus ITB-Jatinangor
Jl. Raya Sumedang, Kab. Sumedang
Indonesia
## Structure of Curriculum

### Semester I

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AL5100</td>
<td>Landscape Architecture Studio 1</td>
<td>4</td>
</tr>
<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>
</tr>
<tr>
<td>AL5103</td>
<td>Compulsory Elective Course 1 : Plants and Landscape Design</td>
<td>3</td>
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<td><strong>Total Load : 11 credits</strong></td>
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### Semester II

<table>
<thead>
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<tbody>
<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>
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<td></td>
<td><strong>XXxxxx Elective Course 2</strong></td>
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<td><strong>Total Load : 10 credits</strong></td>
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### Semester III

<table>
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<tbody>
<tr>
<td>AL6100</td>
<td>Landscape Architecture Studio 3</td>
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<tr>
<td>AL6101</td>
<td>Professional Ethics</td>
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<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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<tbody>
<tr>
<td>AL6099</td>
<td>Final Project</td>
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<tr>
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<td><strong>XXxxxx Elective Course 4</strong></td>
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<td><strong>Total Load : 6 credits</strong></td>
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</table>

### Elective Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AL5103</td>
<td>Plants and Landscape Design</td>
<td>3</td>
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<tr>
<td>AL6102</td>
<td>Landscape Architecture in the Developing Country</td>
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<td>AL5010</td>
<td>RK5111 Urban Design Principles</td>
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<td></td>
<td>RK5212 Urban Conservation</td>
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<tr>
<td></td>
<td>PL6143 Urban Land Management</td>
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<tr>
<td></td>
<td>BP5102 Natural Resource and Environmental Economics</td>
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<tr>
<td></td>
<td>PL5105 Urban and Regional Planning</td>
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</tr>
<tr>
<td></td>
<td>PL5111 Urban Development Planning</td>
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</tr>
<tr>
<td></td>
<td>DS5011 Design and Culture 2</td>
<td>2</td>
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</tbody>
</table>
Hymne of ITB

With pride, we call out thy name
The glorious alma mater, the cherished ITB
How immense is thy contribution for the country
For the noble ideals of welfare society

Verse:
O Lord we pray, for Thy consent and guidance
In duties and devotions, for the haven and the nation

Music & lyrics: Yudia Pancaputra