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
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.

*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),
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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Telephone : (022) 2504735
Fax : (022) 2501263
Website : www.pl.itb.ac.id/pwk
Email : pm-pwk@pl.itb.ac.id
Structure of Curriculum

### Core Course

<table>
<thead>
<tr>
<th>Semester I</th>
<th>Semester II</th>
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<tbody>
<tr>
<td>PL5101  Advanced Planning Analytical Methods</td>
<td>2 PL5202  Development Institution and Finance</td>
</tr>
<tr>
<td>PL5102  Environment and Resources</td>
<td>3 PL5203  Advanced Research Methods</td>
</tr>
<tr>
<td>PL5103  Spatial Economics</td>
<td>3 PLxxxx  Core course based on Major</td>
</tr>
<tr>
<td>PLxxxx  Core course based on Major</td>
<td>2 PLxxxx  Core course based on Major</td>
</tr>
<tr>
<td>XXxxxx  Elective</td>
<td>2</td>
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<td>Total Load: 12 credits</td>
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### Semester III

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<th>Semester IV</th>
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<tr>
<td>PL5201  Advance Planning Theory</td>
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<tr>
<td>PLxxxx  Core course based on Major</td>
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<td>Total Load: 6 credits</td>
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### Major in Regional Development

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<tr>
<th>Semester II</th>
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<tr>
<td>PL5121  Regional Development</td>
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<tr>
<td>PL5221  Regional Development Studio</td>
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<tr>
<td>PL5222  Rural Development</td>
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### Major in City Planning

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

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<th>Semester III</th>
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<tbody>
<tr>
<td>PL5141  Urban Governance</td>
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<tr>
<td>PL5241  Urban and Regional Governance Studio</td>
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<tr>
<td>PL5242  Public Policy Analysis</td>
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### Major in Infrastructure and Transportation System

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<tr>
<td>PL6141  Conflict Management</td>
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<tr>
<td>PL6143  Urban Land Management</td>
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### Major in Disaster Mitigation Planning

#### Semester I
- **PL5151** Introduction to Disaster Mitigation Planning 2

#### Semester II
- **PL5251** Disaster Mitigation Planning Studio 4
- **PL5252** Information and Geo-spatial Technology in Disaster Management 2

#### Semester III
- **PL6151** Community based Adaptation and Disaster Mitigation 2
- **PL6153** Climate Change Adaptation and Policy 2

### Electives
- **PL5105** Urban and Regional Planning 2
- **PL6002** Advanced Special Topic in Planning 2
- **PL6104** Spatial Econometrics 2
- **PL6105** Urban Public Finance 2
- **PL6106** Urban and Regional Planning Modelling 2
- **PL6107** Industrial Zone Planning 2
- **PL6108** Infrastructure of Industrial District 2

### Double Degree Program

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

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

#### Semester III
- (Studying abroad in partner University) 10

#### Semester IV
- **PL5200** Thesis 6

Total Load: 12 credits

Total Load: 12 credits

Total Load: 10 credits

Total Load: 6 credits