



THE UNIVERSITY OF  
SYDNEY



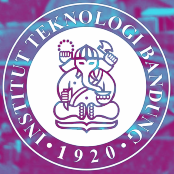
# TOWARDS A RESILIENT CITY UNDERSTANDING SELF- HELP HOUSING

The 2020 Joint Studio Programme

## PROGRAMME BOOK

School of Architecture, Planning and Policy Development ITB  
Sydney School of Architecture, Design, and Planning - University of Sydney





THE UNIVERSITY OF  
SYDNEY

THE 2020 JOINT STUDIO

# TOWARDS A RESILIENT CITY / UNDERSTANDING SELF-HELP HOUSING

PROGRAMME BOOK

# 01 *INTRODUCTION*

The 2020 Joint Studio Towards a Resilient City (ITB) and Understanding Self-Help Housing (University of Sydney) is designed to broaden the knowledge in informal urbanism and concepts of urban resilience and self-help housing particularly for the most exposed and vulnerable urban populations. The studio is targeted for urban planners, architects, urban designers and decision makers who wish to work at international agencies and/or have interest on understanding urbanising cities in developing countries. The Joint Studio is an international collaboration of School of Architecture, Planning and Policy Development, Institut Teknologi Bandung with Sydney School of Architecture, Design and Planning, the University of Sydney, Australia, which has been carried out since 2015. The studio comprises lectures, fieldwork, studio, tutorials, group presentation and public exhibition at the University of Sydney.







The unit reflects the increasing internationalisation of Australian and Indonesia planning practice in contributing to better managing urbanisation, especially within the Asia and Pacific Region. It caters to the needs of local and international students intending to work on urban and regional planning projects internationally and wishing to better understand how the city is made and shaped including understanding dimensions of urban complexity in the formal and informal city. The Joint Studio of School of Architecture, Planning and Policy Development-ITB and Sydney School of Architecture, Design and Planning-University of Sydney has received global recognition and was acclaimed as one among 150 World Urban Solutions by the UN Habitat in 2016.



## 02 STRUCTURE

- The studio comprises 2 blocks of compulsory meetings: Week 1, 27-28 March 2020 9-11 am and Week 2, 1-2 May 2020, 9 am to 12 pm Bandung time.
- Beside compulsory meetings, ITB students may join in Zoom lectures conducted by University of Sydney, every Friday after 28 March 2020 as indicated in the studio program.
- Lectures are delivered by international academics, researchers and policy makers
- All lectures and tutorials will be conducted online via Zoom and WA group organised by ITB and University of Sydney.



## 03 STUDIO TEAM

### Studio Leaders:

- Dr. Paul Jones
- Dr. Sri Maryati, ST., MIP

### Tutors:

- Dr. Ninik Suhartini ST., MURP
- Dr. I Gusti Ayu Andani ST., MT.
- Farida Khuril Maula ST., M.Sc.
- Lisna Rahayu ST, M.Sc.
- Ulfah Aliifah Rahmah, ST., MT.

### Facilitators:

- Dadi Rusdiana, ST, MT
- Mia Mulyawati, ST

### ITB Organisers:

- An Nisaa Siti Humaira, ST
- Renny Desiana, S.T., M.P.W.K.
- Meifita Kamilia Intishar M., ST
- Muhammad Rizki Rayani R., ST
- Yovita Tisarda Febriani, ST





## 04 OUTPUTS

The studio of Towards Resilient City will produce an individual poster examining key themes of urban resilience in informal settlements, using a case study of Lebak Siliwangi, Bandung, Indonesia discussing following points:

a. Understanding the Contexts:

1. Geography: Indonesia, Bandung, Tamansari-Lebak Siliwangi.
2. Demography: number of population, growth, structure, employment, etc.
3. Governance: tiers of governance from central to RT levels.
4. History and Development Progress in Tamansari and Lebak Siliwangi



**b. The Nature of Urban Resilience in Lebak Siliwangi:**

1. Determinants of Urban Resilience in informal settlements of Lebak Siliwangi (physical, social, economic, environmental, cultural?)
2. Myriad mechanisms in building urban resilience in informal settlements of Lebak Siliwangi.

**c. What next? Implications on Planning Policy and Urban Design**

1. How to strengthen urban resilience in informal settlements of Lebak Siliwangi: planning and urban designs proposals.
2. Contributions to the city: recommendations to develop urban resilience at a city level.

# 04 OUTPUTS (cont'd)

The studio of Understanding Self-Help Housing will produce a group work (PPTs and posters) examining key themes of urban resilience in informal settlements, using a case study of Lebak Siliwangi, Bandung, Indonesia, focusing on the following tasks:

- Understanding what the core concepts of self-organisation/self-organising cities and the concept of self-help/spontaneous housing - please define them!
- Understand context in Lebak Siliwangi (such as population, people, economy and livelihoods, location, land use history, governance, rules, regulations, and land use patterns).
- Identify the main morphological elements/units that comprise the urban fabric of the kampung.
- Identify block patterns - thus, spatial patterns, forms/types, why block patterns vary (linear, grid and others).
- Identify alleyway types/hierarchy - thus, spatial patterns and types why patterns vary.
- Identify the diverse housing (+ retail and other) typologies that shape the varying alleyways (specific examples, configuration and geometry measured, quantified). Use different criteria - such as setback, aligned, set forward (of what?), blank walls, scale - to identify change processes.
- Identify the small-scale building/design elements used in self-help housing - for example, walls, steps, windows, doors, stairs, fences, overhangs? colours? style elements? and examples.
- Identify the incremental steps in self-help housing transformation/intensification by physical change type.
- What is the relationship between self-help housing, self-organisation and form and structure adaptation, such as street hawkers/alleyway width?





- What are the rules for self-help housing? What types are there? Relate to notions of public and private interest, evolution of housing/steps of adaptation, types of 'rules and protocols' at work shaping the kampung. How do these rules relate to public interest?
- What at the social and physical implications of self-organisation and self-help housing for kampung planning/design upgrading?



# 04 OUTPUTS (*cont'd*)

## ITB STUDENT POSTER

### Format:

- 1 page poster, A3 size, landscape.
- Balanced mix of narratives, graphics, and images.
- Data, information, maps, key readings, videos and images from the field as well as poster templates in PDF and InDesign are provided on the google drive.
- Posters will be included as part of Joint Studio 2020 academic publication.
- Proper referencing on utilised readings and materials.
- Date of submission: 2 May 2020 on: <https://bit.ly/2UyyzO>

### Tutorials:

- Students will discuss the poster with assigned tutors. Tutors will arrange tutoring schedules for their student blocks between 29 March-1 May 2020.
- Student's blocks for tutoring will be announced on 28 March 2020 after the lecture.
- Studio materials are available on: <https://bit.ly/33I3y0o>

# 05 TUTOR AND STUDENT BLOCK 1 - 3

| NO | NAME                                         | NIM      | EMAIL ADDRESS                                                                        | WA NO        | STATUS     | TUTOR                    |
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| 1  | Rivaldi Eka Mahardika                        | 95718302 | <a href="mailto:r.e.mahardika@gmail.com">r.e.mahardika@gmail.com</a>                 |              | registered | Lisna Rahayu, MT         |
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# TUTOR AND STUDENT BLOCK 4 - 6

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# 06 SCHEDULE

| ITB Core Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead                         | Week               | Date                                                       | USYD Core Content                                                                                                                                                                                                                                                                                         | Lead                    | Media                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              | Week 1             | Friday 27 March<br><br>12-2.30 pm<br>Sydney                |                                                                                                                                                                                                                                                                                                           |                         |                                                              |
| <ul style="list-style-type: none"> <li>• Aims and objectives of PLAN9049</li> <li>• Timetabling and online operation</li> <li>• Key course content – outline of weeks and themes</li> <li>• Key assessment items</li> <li>• Canvas resources</li> <li>• Use of Discussion board</li> <li>• Group discussion/questions</li> <li>• Whatsapp numbers to be sent to Ninik Suhartini</li> </ul>                                                                                                                                                                                                                                 | Paul Jones                   | Usyd Internal Zoom |                                                            |                                                                                                                                                                                                                                                                                                           |                         |                                                              |
| <ul style="list-style-type: none"> <li>• Welcome from ITB</li> <li>• Dr Sri Maryati: Informal Settlements in Indonesia</li> <li>• Dr Paul Jones: Concept of Informal Urbanism</li> <li>• Prof Paulo Silva: Adaptive Urbanism and the Nature of Urban Rules: from pre to post Industrial Cities</li> </ul>                                                                                                                                                                                                                                                                                                                  | Sri Maryati                  |                    | 09.00-11.30<br>WIB/1-2.30 pm<br>Sydney                     | <ul style="list-style-type: none"> <li>• Welcome from ITB</li> <li>• Dr Sri Maryati: Informal Settlements in Indonesia</li> <li>• Dr Paul Jones: Concept of Informal Urbanism</li> <li>• Prof Paulo Silva: Adaptive Urbanism and the Nature of Urban Rules: from pre to post Industrial Cities</li> </ul> | Paul Jones, Paulo Silva | Zoom Compulsory for both university students                 |
| <p>Series of lecture:</p> <ul style="list-style-type: none"> <li>• Dr Moh Faisal on Informal Economy in Indonesia</li> <li>• Dadi Rusdiana, MT on History of Lebak Siliwangi Settlements</li> <li>• Dr. Saut Sagala on Urban Resilience and Disaster Mitigation in Informal Settlements</li> <li>• Ms Norliza Hashim on Community Resilience and SDGs, international Views</li> <li>• Prof Saswat Bandyopadhyay on Urbanisation and Self-help Housing in Informal Settlements: Lessons from South Asia</li> <li>• Dr Fikri Zul Fahmi: Place branding: bridging informality and the creative economy in Bandung?</li> </ul> | Sri Maryati, Ninik Suhartini |                    | Saturday 28<br>March<br>09.00-12.00<br>WIB/1-3pm<br>Sydney |                                                                                                                                                                                                                                                                                                           |                         | Zoom Compulsory for ITB students, optional for Usyd students |



# 06 SCHEDULE (con'td)

| ITB Core Content                                                                                                                                                                                                                                                                                                                                      | Lead                         | Week   | Date                                                                 | USYD Core Content                                                                                                                                                                                                                                                                                                                                     | Lead                                                                    | Media                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------|
| Tutorial for ITB Students                                                                                                                                                                                                                                                                                                                             |                              | Week 2 | Friday 3 April<br>12-2.30 pm Sydney                                  | <ul style="list-style-type: none"> <li>Update from week 1</li> <li>Group feedback on assessment 1</li> <li>Group discussion</li> </ul>                                                                                                                                                                                                                | Paul Jones                                                              | Usyd Internal Zoom                       |
|                                                                                                                                                                                                                                                                                                                                                       |                              |        | 1pm Sydney                                                           | <ul style="list-style-type: none"> <li>Lecture from SU - What is Informal Urbanism</li> <li>Lecture from ITB</li> </ul>                                                                                                                                                                                                                               | Paul Jones, Sri Maryati, Paulo Silva, Ninik Suhartini, Dadi Rusdiana    | Zoom<br>Optional for ITB students        |
|                                                                                                                                                                                                                                                                                                                                                       |                              | Week 3 | Thursday 9 April<br>12-2.30 Sydney<br>(note May 10 is Easter Friday) | <ul style="list-style-type: none"> <li>Update from last week</li> <li>Group feedback on assessment 1</li> <li>Group discussion</li> </ul>                                                                                                                                                                                                             | Paul Jones                                                              | Usyd Internal Zoom                       |
|                                                                                                                                                                                                                                                                                                                                                       |                              |        |                                                                      | <ul style="list-style-type: none"> <li>Lecture from ITB - Typologies</li> <li>Briefing from ITB on nature of Lebak Siliwangi</li> <li>Lecture from SU - Self Help Housing and John Turner</li> </ul>                                                                                                                                                  | Paul Jones, Sri Maryati, Paulo Silva, Dadi Rusdiana and Ninik Suhartini | Zoom<br>Optional for ITB students        |
| <b>Easter Study Break</b>                                                                                                                                                                                                                                                                                                                             |                              |        |                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                                                                         |                                          |
| Tutorial for ITB students                                                                                                                                                                                                                                                                                                                             |                              | Week 4 | Friday 24<br>12-2.30 pm Sydney                                       | <ul style="list-style-type: none"> <li>Update from week 3</li> <li>Group feedback on assessment 1</li> <li>Protocols for Group Presentations next week</li> </ul>                                                                                                                                                                                     | Paul Jones                                                              | Usyd Internal Zoom                       |
|                                                                                                                                                                                                                                                                                                                                                       |                              |        |                                                                      | <ul style="list-style-type: none"> <li>ITB join</li> <li>Lecture from ITB</li> <li>Lecture from SU - Micro Morphology in Lebak Siliwangi</li> </ul>                                                                                                                                                                                                   | Paul Jones, Sri Maryati, Paulo Silva, Dadi Rusdiana                     | Zoom<br>Optional for ITB students        |
| <ul style="list-style-type: none"> <li>Lecture by Tomas Del Giudice</li> <li>Sydney Uni Groups present typology analysis - 5 groups of 10 minutes each</li> <li>Presentation from ITB students 9 students 5 mins each</li> <li>Feedback by ITB academics and students</li> <li>Submission of SU Group work in Canvas/ITB Poster submission</li> </ul> | Sri Maryati, Ninik Suhartini | Week 5 | Saturday May 2<br>09.00-11.30<br>WIB/12-2.30 pm<br>Sydney            | <ul style="list-style-type: none"> <li>Lecture by Tomas Del Giudice</li> <li>Sydney Uni Groups present typology analysis - 5 groups of 10 minutes each</li> <li>Presentation from ITB students 9 students 5 mins each</li> <li>Feedback by ITB academics and students</li> <li>Submission of SU Group work in Canvas/ITB Poster submission</li> </ul> | Paul Jones, Paulo Silva, Dadi Rusdiana                                  | Zoom<br>Compulsory for both universities |

# 06 SCHEDULE (con'td)

| ITB Core Content              | Lead | Week   | Date                                  | USYD Core Content                                                                                                                                                       | Lead                                    | Media                             |
|-------------------------------|------|--------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------|
| <b>End of Semester at ITB</b> |      | Week 6 | Friday May 8<br>12-2.30 pm<br>Sydney  | <ul style="list-style-type: none"> <li>Update from week 5</li> <li>Focus on assessment 2: self help housing and form and structure</li> <li>Group discussion</li> </ul> |                                         | Usyd Internal Zoom                |
|                               |      |        |                                       | <ul style="list-style-type: none"> <li>Lecture from SU – Understanding the Informal City</li> <li>Lecture from ITB</li> </ul>                                           | Paul Jones, Sri Maryati Paulo Silva     | Zoom<br>Optional for ITB students |
|                               |      | Week 7 | Friday May 15<br>12-2.30 pm<br>Sydney | <ul style="list-style-type: none"> <li>Update from week 6</li> <li>Focus on assessment 2: self-help housing and form and structure</li> <li>Group discussion</li> </ul> |                                         | Usyd Internal Zoom                |
|                               |      |        |                                       | <ul style="list-style-type: none"> <li>Lecture from ITB and SU</li> </ul>                                                                                               | Paul Jones, Sri Maryati and Paulo Silva | Zoom<br>Optional for ITB students |
|                               |      | Week 8 | Friday May 22<br>12-2.30 pm<br>Sydney | <ul style="list-style-type: none"> <li>Focus on assessment 2: self-help housing and form ad structure</li> </ul>                                                        |                                         | Usyd Internal Zoom                |
|                               |      |        |                                       | <ul style="list-style-type: none"> <li>Lecture from ITB and SU</li> </ul>                                                                                               | Paul Jones, Sri Maryati and Paulo Silva | Zoom<br>Optional for ITB students |
|                               |      | Week 9 | Friday May 29<br>12-2.30 pm<br>Sydney | <ul style="list-style-type: none"> <li>Final wrap</li> <li>Final tips and discussion on assignment 2</li> <li>SU submit assessment May 30</li> </ul>                    | Paul Jones                              | Usyd Internal Zoom                |
|                               |      |        |                                       | <ul style="list-style-type: none"> <li>Comments where to from here such as publication of joint work</li> </ul>                                                         | Sri Maryati and Paulo Silva             | Zoom<br>Optional for ITB students |

# 07 READINGS

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# THE 2020 JOINT STUDIO PROGRAMME BOOK





THE UNIVERSITY OF  
**SYDNEY**

*TOWARDS*  
**RESILIENT CITY**  
**UNDERSTANDING SELF-HELP HOUSING**

**The 2020 Joint Studio**

School of Architecture, Planning and Policy Development - ITB  
Sydney School of Architecture, Design, and Planning - The University of Sydney