

**UI UF CU International Joint Studio and Seminar (IJSS)
Urban Green Infrastructure: An Interactive Web of Water, Space and Life**

Part One Closing Remarks

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Dr. Kemas Ridwan Kurniawan, University of Indonesia

We have almost arrived at the end of our program. What I would like to say is that we cannot cover all the ten days in detail, just the most important part which is about the process and the facilitators.

First, on a lighter note, I have some questions for the audience:

*Florida: What do you call an Alligator with GPS?
 A Navi-gator*

*Cardiff: Why couldn't Dewi the Dragon water her garden?
 There was a leek (leak) in her bucket.*

*UI: Indonesians in particular like to watch films. In Rango, the gecko was sick and went to the doctor who proscribed 3 pills and six glasses of water. What was the diagnosis?
 Dehydration!*

Moving back to our theme of water and urban infrastructure and referring to a comment on AbdouMaliq Simone's book entitled **Jakarta, Drawing the City Near** (2014), Abidin Kusno remarks that, "The city itself is a theory – a way of thinking – or better a way of living."

Over the past ten days the participants experienced the reality of living in Depok and Jakarta. Being together has allowed us to move beyond the usual rigor of academic research and to experience first hand different ways of thinking about and experiencing the connections between water, space and life. The dialogue between the students and professors from different countries with community leaders, government officials, and normal citizens has enabled us to obtain a wider understanding of how the eco-social, eco-cultural and eco-technical aspects of urban green infrastructure will lead to an ecological megapolitan region in Jakarta and Depok for future generations.

Starting with field surveys in Kota Tua and around Setu Babakan, the UI Lakes and Setu Rawa Besar, we traced the flow of water, physically, haptically and temporally. We witnessed the intersecting web of human actions and the natural environment. Such instances point out the compromised situation of trash and pollution in relation to a natural cycle of water flow, filtration and consumption. We have experienced inadvertently the inconvenient reality of our globalized world with the bombing incident and the impact on access to the city. The multi-layered strata of our accumulated experience has resulted in an analytical framework to address revitalization at a micro scale of the individual lakes and the culture of their associated communities.

In a wider sense, the international joint studio and seminar on urban green infrastructure raises questions, considers issues and offers ideas towards a sustainable megapolitan region in the future. The interactive web of water, space and life as a topic also extended to

the two colloquiums which inspired lively debate about urban life at the three lake sites. Dr. Andrea Frank, Dr. Andrew Flynn and Dr. Li Yu from Cardiff University and Dr. Abimanyu, TA from the University of Indonesia and Dr. Christopher Silver with Dr. Jocelyn Widmer from the University of Florida provided provocative questions, insightful inquiry and well-considered guidance in relation to the definition of facts, issues and possible interventions during the lectures and design studio reviews. Bill Whiteford, a PhD candidate from the University of Florida, participated directly in the studio works and provided invaluable experience about Geographic Information Systems (GIS) in relation to water issues. Kyle Dost also wrapped up each colloquium with exceptional verve to engage us in another round of analysis leading towards the final outcomes. The participation of community leaders and the residents of the communities in Depok and Jakarta enriched our understanding of public policy challenges and community issues.

Additionally, the studio facilitators volunteered their expertise to unravel the chaos and complexity of water issues for the three sites and to actively participate in the colloquium sessions.

The lectures formed the foundation and the touchstone for our dialogue about urban green infrastructure. Herr Surjantoro introduced water management and infrastructure in relation to the UI Campus lakes. The second lecture by Iman Prasajo on the socio-economic and cultural aspects of water did not happen for security reasons. Abimanyu's introduction to risk management of water resources raised the issue of connectivity between the lakes, the city, and the metropolitan region in terms of water catchment areas, flooding and water quality in the macroscale context.

Christopher Silver encouraged us to "Think Outside the Box" to understand water and governance issues at a regional scale in his talk on 'Habitat: Water, Places, and Resources.' Reflecting on the field surveys, water is the issue that brings all the other issues to the fore, including flooding and a disaster response approach. It is not just the issue of flooding, but fitting the whole package together. Setu Rawa Besar is an interesting example of land, habitat, water and life. The best example is the UI Campus lakes which show the interface of the three issues in a more thoughtful system to manage water and to improve the quality of water downstream. For Setu Babakan, the cultural significance is evident, plus the effort to create a water-focused society emphasizing the relationship with the land as habitat, space, water and life.

Jocelyn Widmer considered conducting fieldwork in a short amount of time with different technologies, using a photograph survey method, augmented by a philosophy of working together with stakeholders and then analyzing the data as a way to document the field surveys.

Nana Zara, St presented Depok City government policies related to water resource management and spatial aspects, especially for data gathering and analysis in connection with greenbelt setbacks in the Area Development Plan with water and waste management around Setu Rawa Besar.

Yosef Prihanto discussed 'Geospatial Information for Urban Green Infrastructure Modeling' and introduced space borne and airborne remote sensing as well as Light Detection and

Ranging (LIDAR) radar to produce vividly colorful 3D maps of water catchment areas from Gunung Salak to the lakes in Depok.

Dr. Li Yu outlined comparable approaches to riverside water issues in the City of Dongguan, China. The lecture opened our eyes to the linkages between government policy with economic, environmental and social issues related to river pollution, industrial production and people's livelihood in a riparian urban setting.

Finally, this closing session and exhibition affords us an opportunity to celebrate together the students' enormous efforts. The outcome of their ideas and analysis will surely be of benefit in considering policy options and dialogue between the academic community, the City of Depok and Jakarta government officials and the neighboring community, which will lead towards urban green infrastructure with Depok at the heart of the greater megapolitan region.

Thank you for your participation in this fruitful and rewarding experience during this Seminar.

Dr. Andrea Frank, Cardiff University

This week has brought home to myself and I believe and to our students, firstly, how invaluable field experience is, i.e. visiting places on the ground. Walking a million steps to see how people in different cultures live, work and operate, is quite a different experience from hearing about this in lectures, watching movies, or videos or reading research articles. So, what everyone takes home is the power of seeing things first hand with their own eyes. In addition to the visual, there are the smells and sounds in these places, which add an extra layer and depth to field work and the related experience that goes under our skins and into our memory.

Secondly, there was the fun and excitement of intercultural learning. The IJSS brought together students and staff from many different countries: Portugal, Greece, China, Mongolia, (Germany, Wales, the United States) to see how a megacity operates in Indonesia and to recognize how big and different the challenges are compared to the contexts which many of us are more familiar with. My colleagues from Cardiff, Dr. Flynn and Dr. Yu and I would like to highlight how proud, amazed and pleased we are about how much all students have learned these past 6 or 7 days, in fact how much all of us learned from each other. To all of you – let me say: “Thank you for your efforts. - Fantastic job.”

Dr. Jocelyn Widmer, University of Florida

This is the fourth time I have been here at the University of Indonesia. Thank you for your hospitality. We have gained sharp insight into the topic globally, not just in Jakarta. This expression is to thank you for being in studio, for staying up late, eating pizzas and getting to know each other in odd places. It is wonderful to be part of that experience in such a short time. We represent quite a global constituency or what we mean in our world by collaboration and creating a sense of community in that collaborative space. The next generation in green infrastructure including the government and the community will keep design as being central, being iterative over two collegiate sections, being iterative and challenging your solutions. It is such a pleasure to be part of the studio environment as a

pedagogical tool. I cherish these moments here and thank the both the University of Florida, and Cardiff University and the University of Indonesia who have made it all possible.

Dr. Abimanyu Alamsyah, University of Indonesia

From the first time I was asked to learn about coastal areas and the island, I realized that water is a foregone conclusion. When we talk about the terrestrial areas, water may be a lake, water may be black or grey. When we talk about water, we may have feelings. We may come together to discuss how we think about water.

The first trip to Setu Babakan was related to people who live there, who get the benefit of the water. This is not purely for local people. You can learn about the culture of water and the living space, so you must work, explore and express your ability to design and plan with water.

At the UI Lakes, we are trying to keep water within a one-meter wide waterway to feed six new manmade lakes and also support the water sources, so when we are close to the surface of the land, we can have the experience of land, water and air. This will be a model for developing large areas in Depok. But then, we have the new Tollway cutting up the system of water to the campus. So does this cutting up influence sustainability for UI? Is it only for UI? No, it is for the city. How can the system be developed to protect the new environment?

Setu Rawa Besar in Depok City was in an area of 200,000 people. Now it is in the new area of Depok City with 2 Million people. If we look at the girth of the megapolitan area, it means that we are learning about eco, people, water and infrastructure. What needs to be done for the future of the city? Should we think about water in the same way or at a higher level because the solution is not bounded by the area of the water itself.

When I first came to the presentation, I was unhappy because you were thinking about water in the same way. But today, surprisingly, you have made very great, different presentations in only one day and a half. This is a very valuable learning experience for UI, for Cardiff and for Florida. This will give a richer experience from not knowing each other as human beings to now you are a very compact group. All of you want to talk, to answer the questions and that in itself is very promising.

That is why I would like to thank you very much. I hope we can work together next time, perhaps on another professional level as architects or planners to develop in a more knowledgeable way about sustainability, resilience and culture, also in a space-time that is not bound by the old regulations.

Wrap-Up Remarks for Seminar – Dr. Kemas Ridwan Kurniawan

To all the facilitators and students, you worked very hard and for this effort we have to celebrate and be happy together. So our thanks to all of you, for all the emotions that you have put together and to all our colleagues together, especially our thanks also goes to the two most important persons, Diandra and Tania for putting this seminar together.

Part Two – Closing Remarks for IJSS and Exhibition

Bill Whiteford, University of Florida

I could give accolades and informative comments, but what I would like to do is to take time about the challenge that lies ahead. We all know a journey starts with one step. Like a prelude to a book of your story, on your journey, it starts here. All we can do is to start here. To paraphrase Walt Whitman after his visit to Walden Pond, it is not the amount of love, but the amount of footsteps you leave behind in the sand. This is only the start. When you go back to your university, this seminar is a springboard for an eco-career and a sustainable planet.

Andrew Flynn, Cardiff University

Kemas has inspired me with his jokes. “What is a fish with no eye? .. a fsh!” Okay, “What is a deer with no I? – No idea(r)!” It has been an enormous privilege to watch you in the field, you are so professional, the ways you have developed, the contribution you have made in the debates, you will only be able to appreciate later on. These are the memories you should treasure. There were many special debates. What make this seminar so special is the people we are able to interact with each other and that is what makes the program so special. Enjoy your time, enjoy your lives as much as you can. You have shown you have the energy for improving the lives of other people around you.

Mikhta Farid, University of Indonesia

Thanks for the special events and we will be very pleased if you come to our university again. – until we meet again.

Liliana Fonseca, Cardiff University

We really want to thank everyone for making it possible for us to come here. When asked to talk in the name of the students from Cardiff University, I decided to ask my fellow classmates what they felt they got out of this experience. They said it was intense, chaotic. Getting out of the four walls of the University and going out in the field was something we weren't accustomed to do and it felt overwhelming, but yet such an amazing opportunity to learn so much in such a short time. Something in particular we took from this was a change in lenses. For it is not only our perspective that we were influenced by, but also the perspectives from our Indonesian and American colleagues and from the locals. We think differently now and we have grown. Thank you.

Kyle Dost, University of Florida

To see all the international perspectives and to mix all those together is amazing. It is awesome to see how people link to culture and the urban landscape. I want to discuss how enjoyable our social interactions were. We enjoyed the food so much, especially the *satay ayam*. Thank you for being so welcoming to all of us and helping us to adapt. Thank you all for helping us to recognize the similarity with each other, so in terms of social media, I am going to take a celebratory video now!

Farah, University of Indonesia

First I would like to show and give my gratitude to the facilitators. Even though we were bound by a tight schedule, it was wonderful to work together to enjoy our moments. This should not be our end, but the beginning of an international freindship. I wish you all health and success.

Dr. Kemas Ridwan Kurniawan, University of Indonesia

I would like Diandra and Tania to come forward to give this testimonial. It took quite a while for us to prepare this program. After the end of the October Stakeholder's Workshop, we started in January with an extensive exchange of emails. We kept in our mind that we have a lot of things to do. The friendship behind this collaboration is the most important thing for everybody here. I, Tania and Diandra would like to apologize if there has been something that has been inconvenient for you.

Dr. Andrea Frank, Cardiff University

In the end and from my previous visit, I knew everything would be fine. I had some faith that things will happen. I'd like to say something on behalf of all of the students. Diandra and Tania, you did an incredible job. The studio facilitators kept things ticking over and the next time we bring a large group, I hope you will throw yourselves again into the task.

Dr. Yandi Yatmo, University of Indonesia

I am glad that everything is fine. You have experienced everything – the village, the sounds of the cricket and the bomb. We learned about collaboration and how to try to understand the problems. Our thanks to all of you.

End of Working Notes
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