



1 Maret 2022

Nomor : 053-S2TA/1266/FT-UNTAR/III/2022

Lampiran : 1 (satu) lembar

Perihal : Kesediaan sebagai Narasumber Seri Seminar Online #19

Kepada Yth.

Ibu Dr. Olga Nauli Komala, S.T., M. Ars

di tempat

Bersama surat ini kami sampaikan kepada Ibu, sehubungan dengan akan diadakannya Kegiatan Seri Seminar Online putaran ke-3, Prodi Magister Arsitektur Universitas Tarumanagara, untuk itu kami mohon kesediaanya untuk dapat menjadi Narasumber pada acara tersebut, yang akan dilaksanakan pada:

Hari/Tanggal : Rabu/9 Maret 2022 Pukul : 15.30 s/d 17.30 WIB

Topik : Urban Design for Sustainable Development

Demikian surat ini kami sampaikan, atas kesediaan dan kerjasamanya kami ucapkan terima kasih.

Kaprodi Magister Arsitektur

Prof. Dr. Dr. Ir. Naniek Widayati Priyomarsono, M.T

Tembusan:

1. Arsip

PROGRAM STUDI :

- Sarjana Arsitektur, Magister Arsitektur, Sarjana Perencanaan Wilayah dan Kota, Magister Perencanaan Wilayah dan Kota
- Sarjana Teknik Sipil, Magister Teknik Sipil, Doktor Teknik Sipil
- Sarjana Teknik Mesin, Sarjana Teknik Industri,Sarjana Teknik Elektro

- P : (021) 5663124 5672548 5638335
- MPWK: (021) 56967322, MTS: (021) 5655801 5655802, DTS: (021) 56967015 5645907
- F : (021) 5663277, MTS : (021) 5655805, MPWK : (021) 5645956

Lampiran:

Jadwal Seri Seminar Online Putaran ke-3 (SSO #16-22)

NO	Tanggal	SUB-TOPIK (JUDUL SERI)	JUDUL PAPARAN	NARASUMBER	Jabatan/Instansi	MODERATOR
#16	26 Januari	Green Architecture in facing the Climate Change	Green Building Potentials in Indonesia	Ir. Jatmika Adi Suryabrata, M.Sc. Ph.D	Dosen Arsitektur UGM, Anggota TABG DKI Jakarta	Dr. (Cand.) Dian Siddya Budiman, S.T., M.T.
			Climate is changing, so must the Architect	Suwardana Winata, S.T., M.Arch., IAI	Dosen Arsitektur dan Perencanaan UNTAR, Ketua Badan Pendidikan Pengurus IAI Nasional	
	9 Februari	Net Zero Energy Building	Net Zero Energy Building menuju Low Carbon Society dalam Arsitektur	Dr. Eng. M. Donny Koerniawan, S.T., M.T.	Dosen SAPPK ITB	Ir. Timmy Setiawan, M.Ars, IAI
#17			Desain Bangunan Net Zero Energy sebagai solusi yang penting untuk mengurangi dampak perubahan iklim	Budijanto Chandra S.T., M. Ars, G.P, IABHI	Dosen Arsitektur dan Perencanaan UNTAR, Greenship Professional (GP), EDGE Expert & Auditor, LEED AP BD+C, WELL AP	
#18	23 Februari	Heritage, Identity & Tourism: Link and Match the Old and New City	Kota Baku dan Kawasan Turis di Kota Tua Ichari Shaher, Baku - Azerbaijan	Prof. Dr. Husnan Bey Fananie, M.A.	Staf Ahli BAPPENAS, Mantan Dubes RI untuk Azerbaijan 2016-2020	Dr. Eng. Titin Fatimah, S.T., M.Eng.
#18			Kawasan Bersejarah di Tengah Kota (Dampak dan Kontribusinya)	Prof. Dr. Dr. Ir. Naniek Widayati Priyomarsono, M.T	Dosen Arsitektur dan Perencanaan UNTAR	
	9 Maret	Urban Design for Sustainable Development	Rebranding Urban Place	Prof. Dr. Purnama Salura	Dosen Arsitektur UNPAR	Suryono Herlambang, M.Sc
#19			Urban Foodscape & Sustainable Urban Design	Dr. Olga Nauli Komala, S.T., M.Ars	Dosen Arsitektur dan Perencanaan UNTAR	
#20	23 Maret	Sustainable Urban Renewal	Urban Renewal through Place-making: case study Johor Baru, Malaysia	Faczah Ayub, B.Eng., M.Eng. Urban and Environmental	Former Programme Manager, at Think City Malaysia, Special Officer to Johor Chief Minister	Dr. Ir. Fermanto Lianto, M.T.
			Sustainable Urban Renewal: Development Trend & Dilemma	Dr. Denny Husin, S.T., M.A.H&U	Dosen Arsitektur dan Perencanaan UNTAR	
#21	6 April	Tradisional dan Modern dalam Menjawab Tantangan Perubahan Iklim	Nyaman: Bernaung atau/dan Berlindung?	Prof. Dr. Josef Prijotomo, M. Arch	Dosen Arsitektur UNPAR	Ir. Budi A Sukada, Grand.Hons.Dipl (AA)
			Hunian dan Lingkungan: Adaptasi Berbasis Komunitas terhadap Perubahan I <mark>kl</mark> im	Dr. Ir. Samsu Hendra Siwi, M.Hum.	Dosen Arsitektur dan Perencanaan UNTAR	
#22	20 April	Dampak Perubahan Iklim pada Interior bangunan, Arsitektur dan Perkotaan	Strategi Desain Tanggap Bencana	Prof. Yandi Andri Yatmo, IAI	Departemen Arsitektur UI	Ir. Rudy Surya, M.M., M.Ars.
			Keselarasan Perancangan Arsitektur dengan Alam	Dr. Ir. Rudy Trisno, M.T., IAI, HDII	Dosen Arsitektur dan Perencanaan UNTAR	



MAGISTER ARSITEKTUR UNTAR SERI SEMINAR ONLINE #19

Supported by:

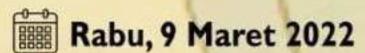


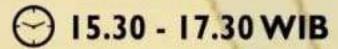
Sponsored by:



Urban Design for Sustainable Development

Narasumber:







Link akan dikirimkan menjelang pelaksanaan



Rebranding Urban Place Prof. Dr. Purnama Salura (Dosen Arsitektur UNPAR)



Urban Foodscape & Sustainable Urban Design Dr. Olga Nauli Komala, S.T., M.Ars (Dosen Arsitektur dan Perencanaan UNTAR)

Moderator:

Registrasi Umum: bit.ly/SSO S2Ars-UNTAR

Registrasi IAI: bit.ly/SSO UNTAR SERIE 19

Suryono Herlambang, M.Sc (Dosen Perencanaan Wilayah dan Kota UNTAR)



Biaya pendaftaran (termasuk e-certificate):

Anggota professional IAI: Rp 50.000,- (KUM IAI: 2)

Non anggota/mahasiswa: FREE







SERTIFIKAT

DIBERIKAN KEPADA:

Dr. Olga Nauli Komala, S.T., M.Ars

Sebagai: NARASUMBER

Seri Seminar Online #19- Magister Arsitektur Jurusan Arsitektur dan Perencanaan Fakultas Teknik Universitas Tarumananagara, dengan topik :

"Urban Design for Sustainable Development"

Jakarta, 9 Maret 2022





Prof. Dr. Ir. Naniek Widayati Priyomarsono, M.T.

Ketua Program Studi Magister Arsitektur Universitas Tarumanagara

Dokumentasi Seri Seminar Online #19 - 9 Maret 2022

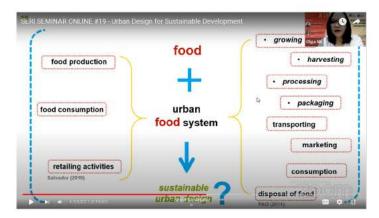
Sumber: https://www.youtube.com/watch?v=H_h9BiPx4OU&t=7338s

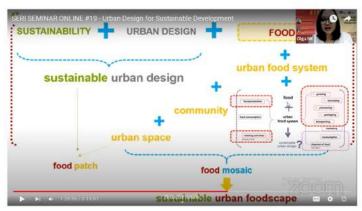
















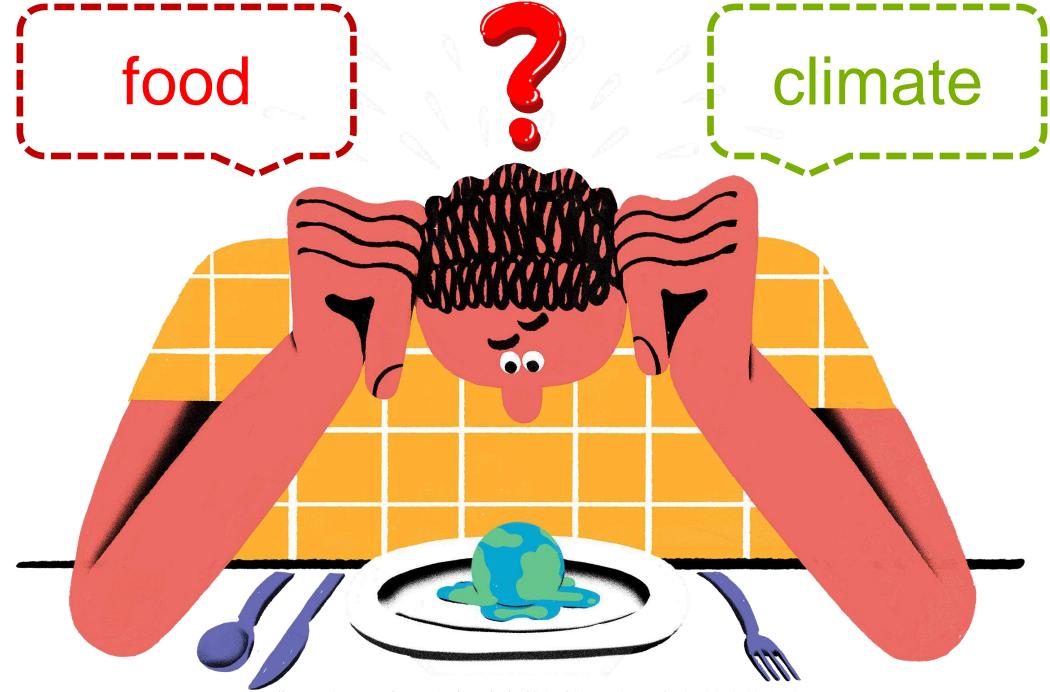
Seri Seminar Online #19

URBAN FOODSCAPE



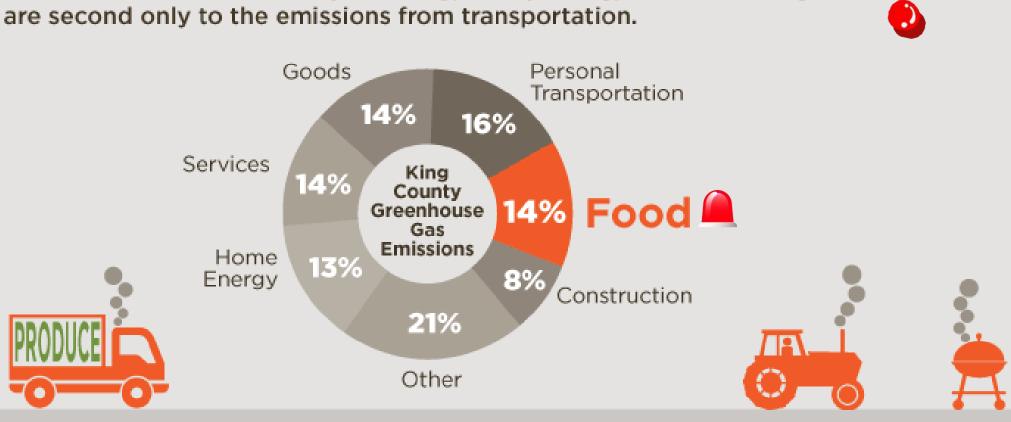
SUSTAINABLE URBAN DESIGN





FOOD IMPACTS CLIMATE CHANGE

The carbon emissions from producing, transporting, and consuming food



The Effect Food
Production has on Climate
Change
NBC 6 South Florida

(https://www.youtube.com/watch?v= CQ0K7twB_2c)

The Diet That Helps Fight Climate Change VOX

(https://www.youtube.com/watch? v=nUnJQWO4YJY)

Food Waste, Global Hunger & You

World Food Programme (https://www.youtube.com/watc h?v=TVP3j7 W7og)

Food Waste causes Climate Change. Here's How We Stop It.

Our Changing Climate (https://www.youtube.com/watch ?v=1MpfEeSem_4&t=160s)



makanan



Food Wastage Footprint
Food and Agricultu

Food and Agriculture Organization of the United Nations

(https://www.youtube.com/watch?v =loCVrkcaH6Q)

Why Sustainable Food Systems Matter | Future of Food

National Geographic

(https://www.youtube.com/watch?v =YEGISWTEgyU)

Can The Food We Eat
Help Tackle Climate
Change?
BBC News

(https://www.bbc.com/news/uk-scotland-59174874)

Food Systems: Climate is Changing. Food and

Agriculture Must Too.

Food and Agriculture
Organization of the United
Nations

(https://www.youtube.com/watch?v= _mHUPTpHp6o) **Harvard Researcher:**

Food Waste Reduction

Key to Combating Climate Change

Harvard University

https://www.youtube.com/watch ?v=AW_hQgbrTH8

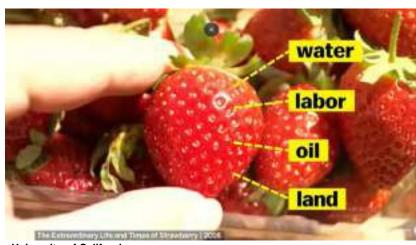




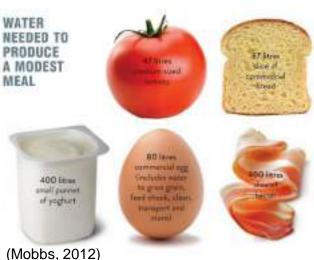
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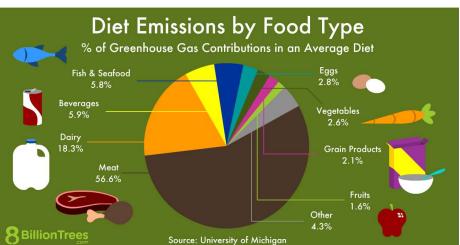
University of California https://www.youtube.com/watch?v=6RlxySFrkIM



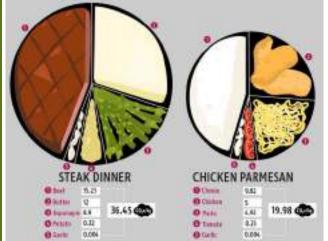
That's over a thousand knoes just for that meal! And we set three meals a day



University of California https://www.youtube.com/watch?v=nUnJQWO4YJY







foodprint

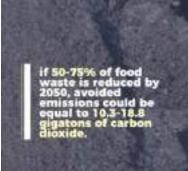
"Whether it's a salad, a hamburger or your morning egg sandwich, your meal has an impact on the environment and on the welfare of animals, food/farm workers and on public health"

FOOD PRINT

https://foodprint.org/what-is-foodprint/

https://www.teletracnavman.com/resources/resource-library/infographics/food-miles-and-co2-emissions-infographic

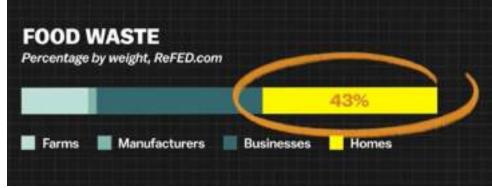






Our Changing Climate

https://www.youtube.com/watch?v=1MpfEeSem_4&t=160s



University of California
https://www.youtube.com/watch?v=6RlxySFrkIM



Climate Change Is Affecting The Food You Eat. Here's How CNN

https://www.youtube.com/wat ch?v=HulsvwRN8YM

How Is Climate Change Impacting Our Food Systems?

https://www.youtube.com/watch ?v=TOdiDCLanBw

How Climate Change Is Turning Healthy Vegetables Into Junk Food NDTV

https://www.youtube.com/watc h?v=TOdiDCLanBw How Climate Change Is Making Food Insecurity Worse

Thomson Reuters Foundation https://www.youtube.com/watch?v=ZCiRzSgo3A0

Global Food Supply Jeopardised by Climate Change

Al Jazeera English https://www.youtube.com/watch?v=eX4Qpy2FyC8&t=2s



The Impact of Climate

Adaptation

Nations

Food and Agriculture

?v=pkfeZi1QS2M

Organization of the United

Change on Food Security

and Nutrition - Focus on

https://www.youtube.com/watch

iklim makanan

> How Climate Change Could Make Our Food Less Nutritious

TED

https://www.youtube.com/watch ?v=wzjVT07bcYA

The Effect of Climate Change on Food Security

Eco-Youth

https://ecoyouth.org/2021/01/11/t he-effect-of-climate-change-onfood-security/

How Climate Change Will Alter Our Food

Columbia Climate School

https://news.climate.columbia.edu/2018/07/25/climate-change-foodagriculture/



Climate change, food and farming: 2010s

According to the Fifth Assessment Report of the IPCC. climate change is affecting food and farming now



It is affecting crop yields Maize and wheat yields ghow dimate-impacts.



Tropical regions are most vulnerable

Percentage of people undernounshed (2011) 50:

Poor people are worst affected

Peor people spend a higher proportion of their

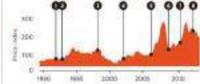
Püktstarr

income on food - so price man affect them more

HOW MUCH DIT THE IN INCOME DID FORM PEOPLE SPEND ON FOOD!

It is putting up prices

Record price strikes for land have been Inked to extreme weather events SEASONAL CLARATE EVEREMES AND THE FOOD PROFILEDED



LAURING HARRY Z. CO. PRICE J. DESCRIPTION A. C. SCHOOL DOCK soc. Acadistis wheat, \$. Acadists wheat, \$. Appoints make, top-7. Surporetest B. 17 maps

Adaptation is happening,

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Farmers are

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playing fame

The future of food and farming: 2030s

in the 2030s, climate change will affect food and farming more strongly, particularly small-scale producers in poor countries

The future of food and farming: 2050s

By 2050, climatic impacts on food security will be unmistakable. There are likely to be 9 billion people on the planet, most people will live in cities and demand for food will increase significantly.



Widespread impacts on food and farming are highly likely

Average decline in vields for eight major crops. across Africa and South Asia





Crop and pasture yields are likely to decline in many places



Adaptation will be key

Temperate regions will be selft more from adaption than tropical regions



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Key adaptations for small scale

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Rey adaptations for small scale.



Heat and water may pass critical thresholds FISHERIES





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We will need major innovations in how we eat and farm

To cage with all matic changes, we may need to consider



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SERVICE Place A.P., Etc. J. Fladler, K. Cotton, A., Hoder, M., 1945, M. F., 1946, E., Torsen, M.J. 2019, Fard Serving and Time Printing pay Servine. In: Timene Change 2014. Instacts. Adaptation, and Schwespille. Complexion of also king flow at the first field a consequent flower of the recognition of the Art of the Colombia Change, into present one high part when their form constituted ANY LYBIC SOLD, of ONE, DOLD



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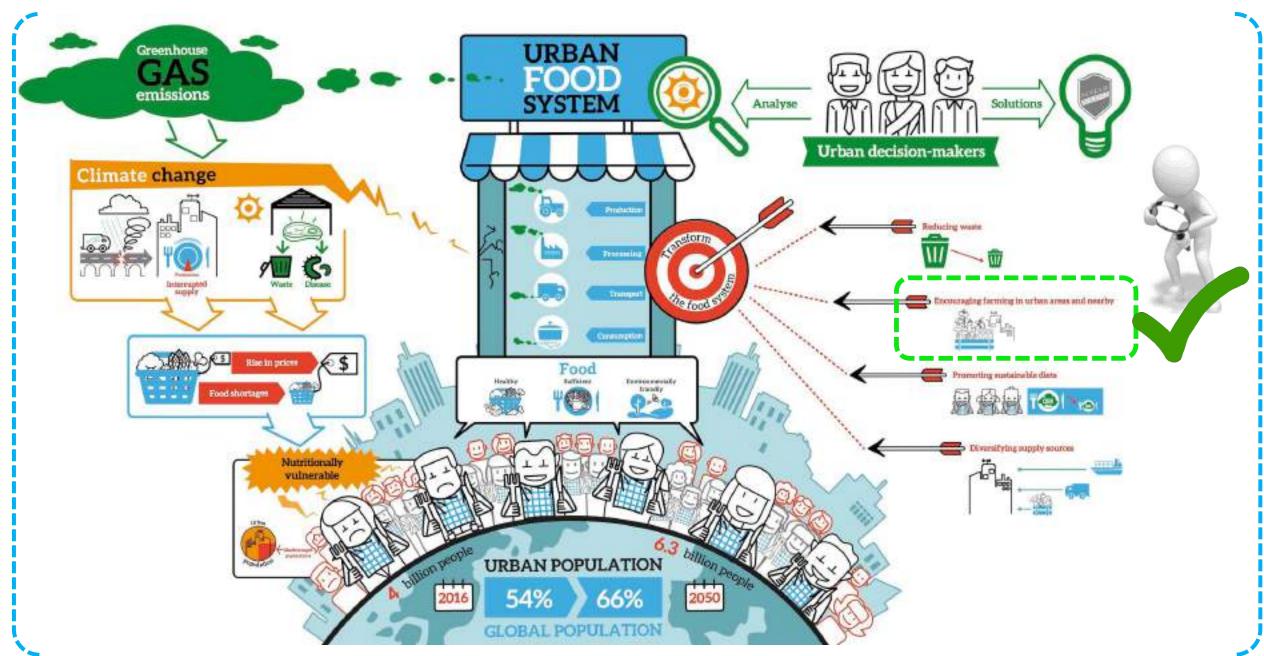
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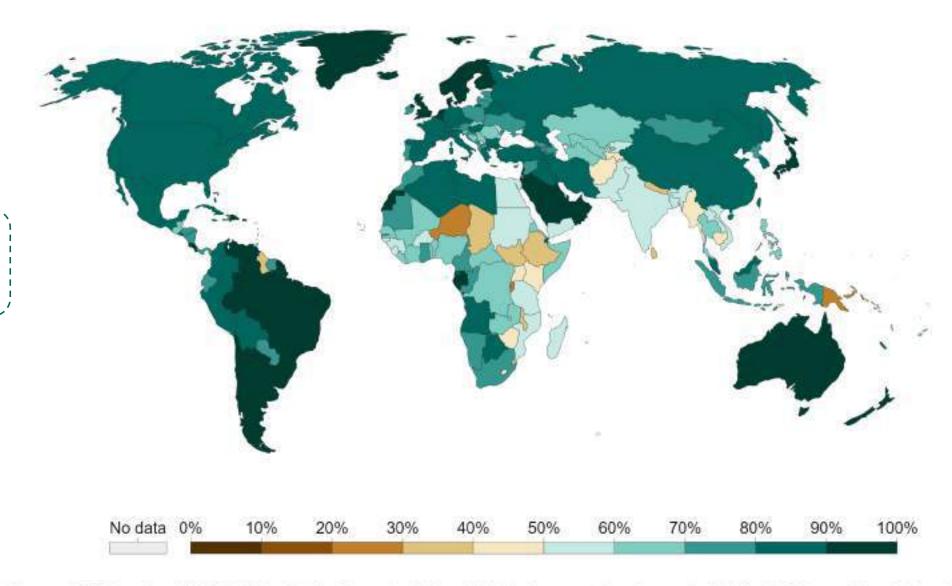




Share of the population living in urban areas, 2050

Our World in Data

Share of the total population living in urban areas, with UN urbanization projections to 2050.

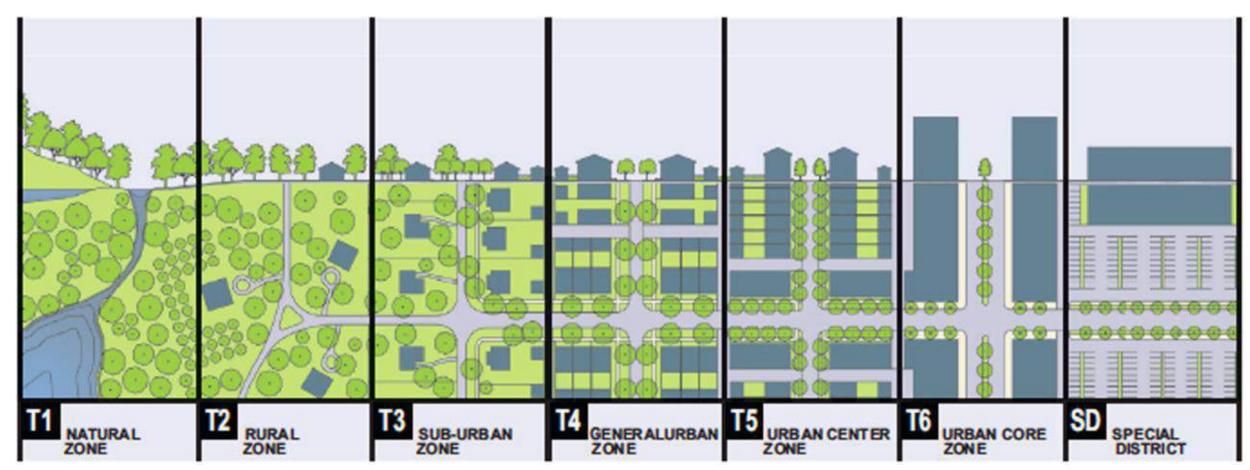


fenomena urban



Source: OWID based on UN World Urbanization Prospects 2018 and historical sources (see Sources) OurWorldinData.org/urbanization • CC BY Note: Urban areas are defined based on national definitions which can vary by country.

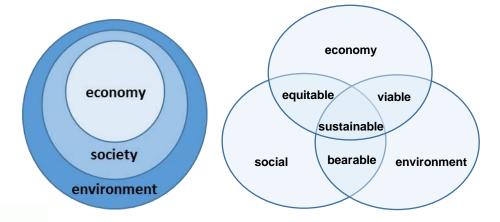




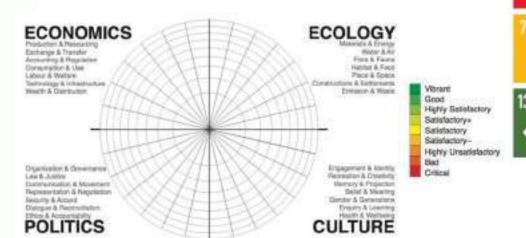
A Typical Rural-Urban Transect, with Transect Zones

*Transect-based planning → form dan elemen tertentu untuk lingkungan tertentu (Andrés Duany) (https://transect.org/)

sustainable sustainability

























"The carrying capacity of the earth"

(The United Nations Conference on the Human Environment, 1972)

"Development that can meet the needs of the present generation without compromising the ability of future generations to meet their own needs"

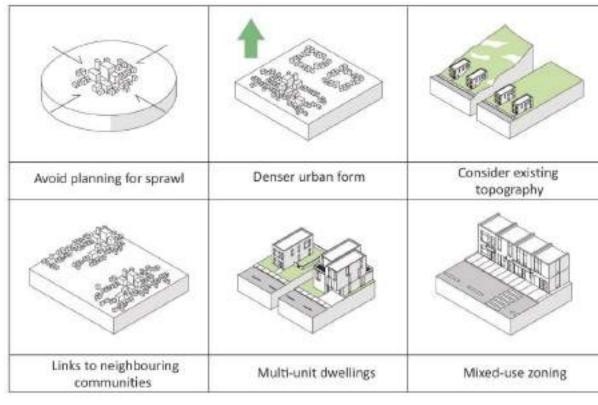
(the United Nations Brundtland Commission, 1987)

"The Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by the United Nations in 2015 as a universal call to action to end poverty, protect the planet, and ensure that by 2030 all people enjoy peace and prosperity" (https://www.undp.org/sustainable-development-goals)









Some Key Aspects to Consider In the Preparation of A Sustainable Master Plan (Friedman, 2021)

Some Key Aspects to Guide the Planning of A Sustainable Community





FOODSCAPE

- suatu produk sosial dan budaya (Lexi, 2008),
- materialisasi dari urban food system (Salvador, 2019),
- multidimensi (Adema, 2009);
- dinamis
 (Mackendrick, 2014),
- skala yang berbeda (Sobal & Wansink, 2007)
- (Wegerif dan Wiskerke, 2017)
- sistem hubungan (Mikkelsen, 2011)
- tradisi
 (Kwik, 2008)

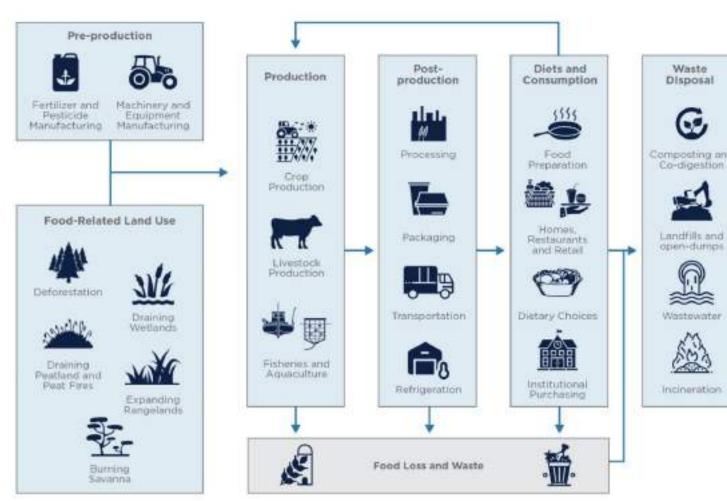
place





sustainable urban design

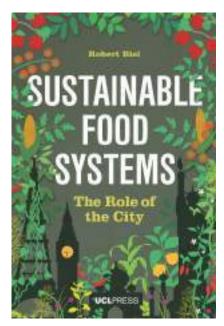




Source: All Lotts are sourced from The Noun Project under the Creative Commons BY 3.0 'Attribution License.' From top left to bottom right: Fertilizer by Syaiful Amn, Tractor by Olivier, Forest by Nesdon Booth; Wetland by Iconathon, Moss by Leymik, Thick Gress by Herrish, Sevenne by Herrish, Ferming by FroSymbox, Cow by Alexandr Lavrenian Boat by Amethyst Studio Aquatulutre by Angelo Trolano, Grains Sito by Ben Davis, GMO by Stephanie Wauters, Food Contener by dDars, Transport by Prieska, Temperature by Andree Kittine, Cooking by Erik Amdt, Grocery by Iconiver, Fest Food by Aristina Margaryan, School Building by Sigilican Collective, Waste by Priyanka, Compostable by Luca Reghellin, Excavator on Landfill by Peter van Drie, Wastewaler by Mayadee, and Vicineration by Euralyti.

food system





peran kota:

The city, our specific case study, can make a key contribution. By contributing more to feeding itself, the city takes pressure off the rural economy, allowing the latter to undertake conversion; there is also much scope, through biomimicry, to re-design cities in a way conducive to sustainability; and benign social networks likewise have great scope for self-organisation.

'The world needs a paradigm A new model of food and farming in agricultural development: from a 'green revolution' to an 'ecological intensification' approach. This implies a rapid and significant shift from conventional, monoculture-based and high-externalinput-dependent industrial production towards mosaics of sustainable regenerative production systems that also considerably improve the productivity of small-scale farmers.

the UN Conference on Trade and Development (UNCTAD)

food food production urban food consumption food system retailing activities Salvador (2019) sustainable urban design

- growing
 - harvesting
 - processing
 - packaging

transporting

marketing

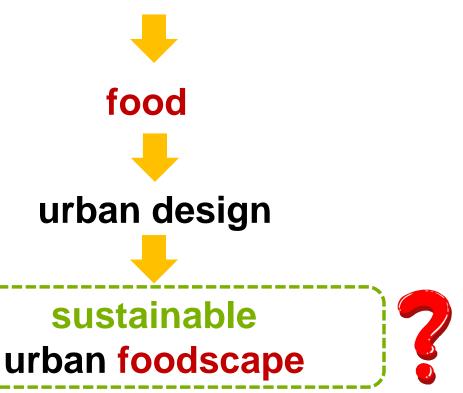
consumption

disposal of food

FAO (2011)



"What a bee can be"



Giving Nature a Home in Cities: Bricks for Bees' Nests



"If insects were to vanish, so would nearly all flowering plants and the food webs they support. This loss, in turn, would cause the extinction of reptiles, amphibians, birds and mammals: in effect, nearly all terrestrial animal life. The disappearance of insects would also end rapid decomposition of organic matter and thus shut down nutrient cycling. Humans would be unable to survive."

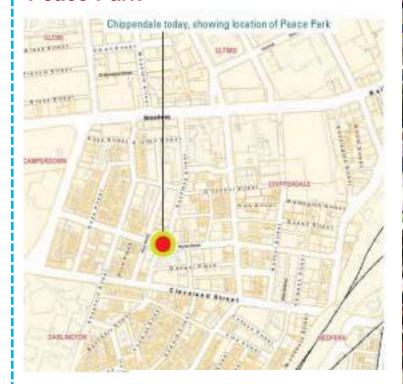
food production



https://www.archdaily.com/976821/giving-nature-a-home-in-cities-bricks-for-bees-nests?ad_source=search&ad_medium=projects_tab&ad_source=search&ad_medium=search_result_all

Chippendale's Food Story

Peace Park













food production



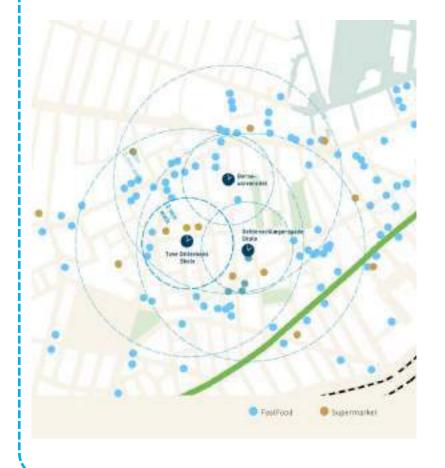


Council worker using jack hammer to excavate dead soil, toughened by years of no water, no nutrients, nothing except people walking over it.

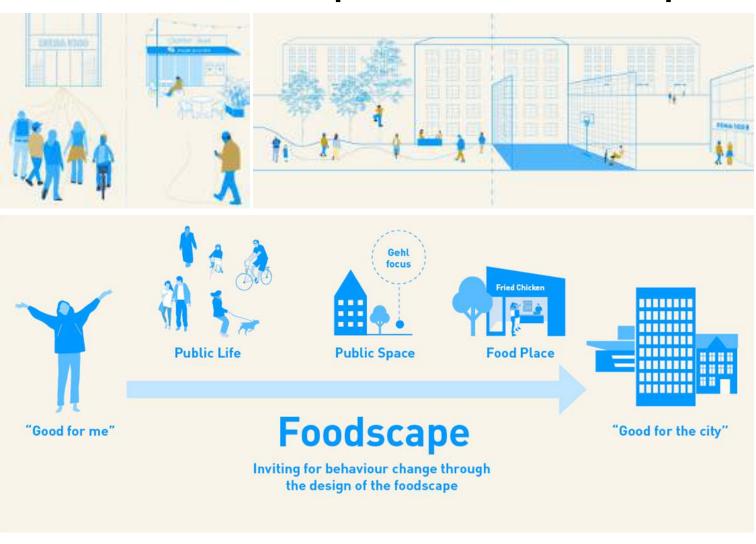
Redesigning Neigborhoods to Shift Youth Diets

Nørrebro and Vesterbro, Copenhagen, Denmark Designing Places That Invite For New Food Choices

perubahan prilaku



food production & consumption



https://gehlpeople.com/projects/copenhagen-foodscapes/

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Redesigning Neigborhoods to Shift Youth Diets

food production & consumption

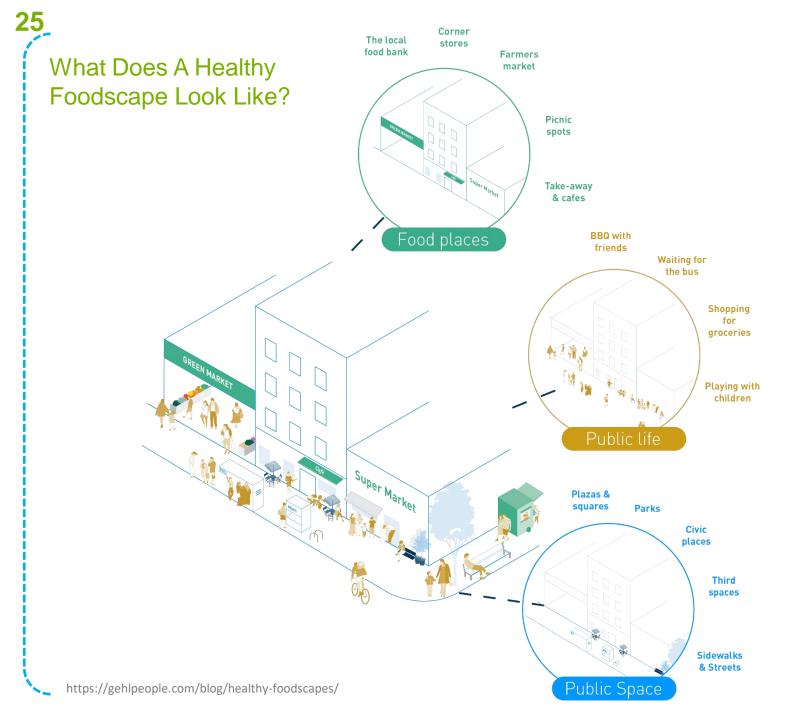








https://gehlpeople.com/projects/copenhagen-foodscapes/







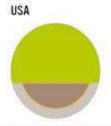
Idroponia salada in bedinio stateme of prespension a taxable radional GRADNERS 000 **DEFENS** BETWARD FORWARDS https://www.foodurbanism.org/idroponia-4/

Camden City Garden Club, Inc.

WHO Camden city Garden Club, Inc.

SIZE 16,200m2

Camden











Project no.

1041

GENERAL INFORMATION









Casa Huerta 60 m₂ WHO Casa Huerta 2009 SIZE LAUNCHDATE

Buenos Aires ARGENTINA



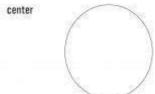
GENERAL INFORMATION



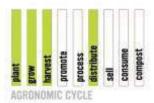


city







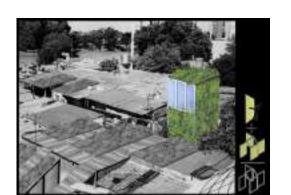


DURATION

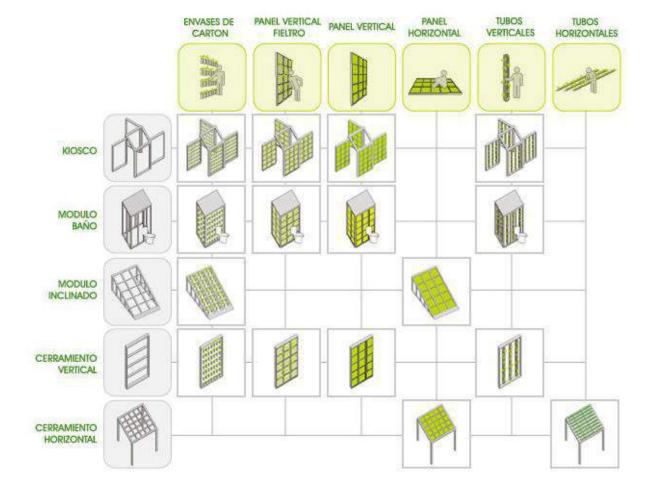
2009











Plantages de Lausanne

Lausanne, SWITZERLAND



city



dispersed

semi-public

WHO Park Service, City of Lausanne

FU MODE micro plot

LAUNCHDATE

6-48m2 1996

SIZE

http://www.foodurbanism.org

Project no.

1200









https://www.foodurbanism.org/plantages-de-lausanne/

Paris, FRANCE Paris, FRANCE Promote collective garden Ending/garden Center Center Center Center Center Collective garden Center Cen



http://www.foodurbanism.org



1228

Project no.

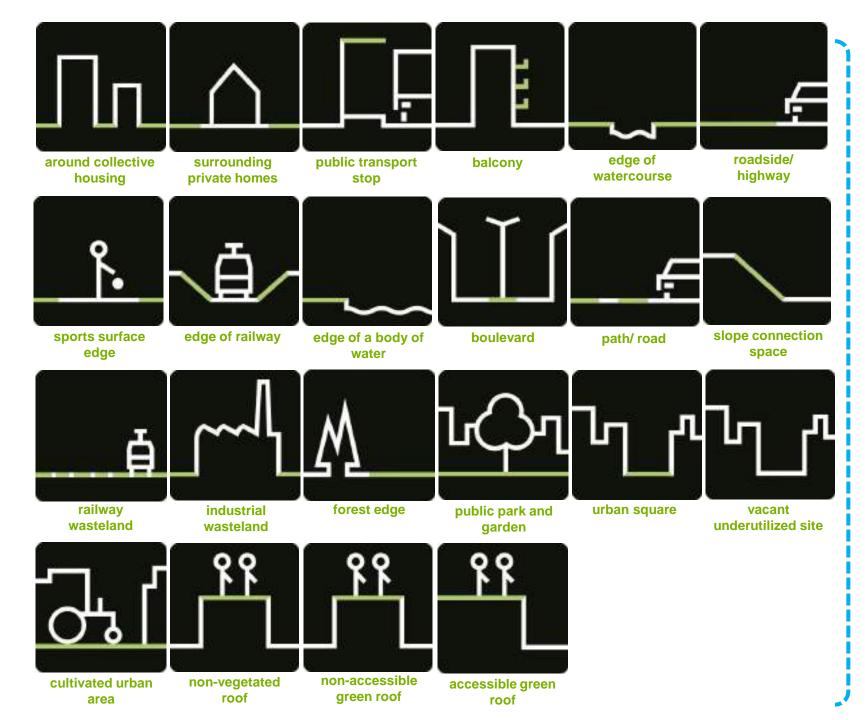






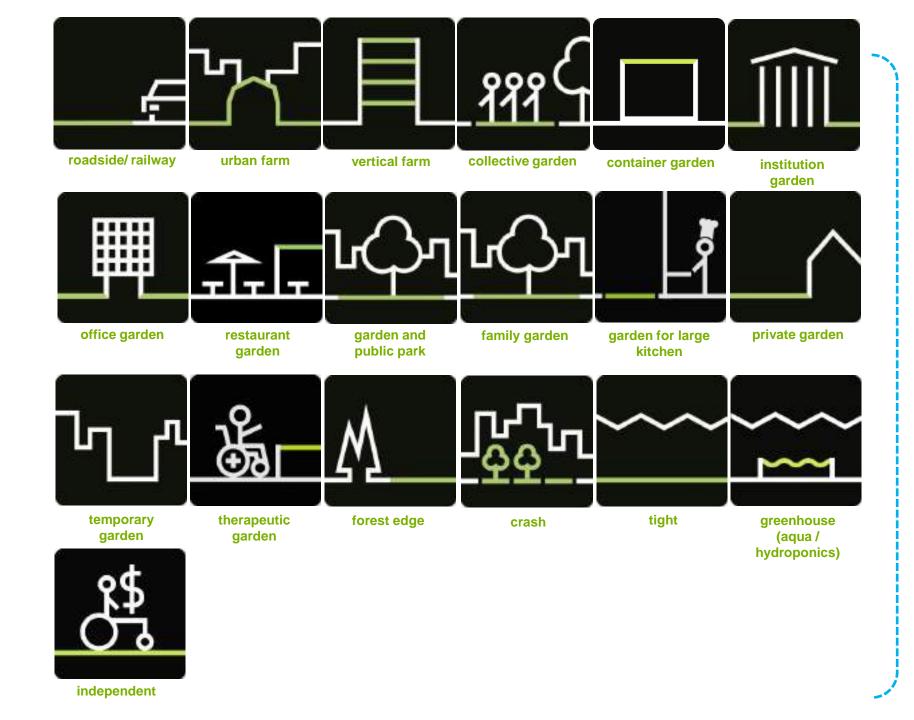
"where"

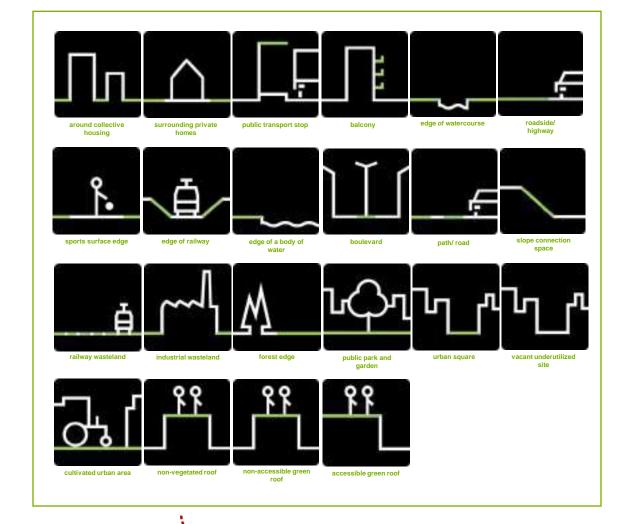




https://www.foodurbanism.org/typologies/





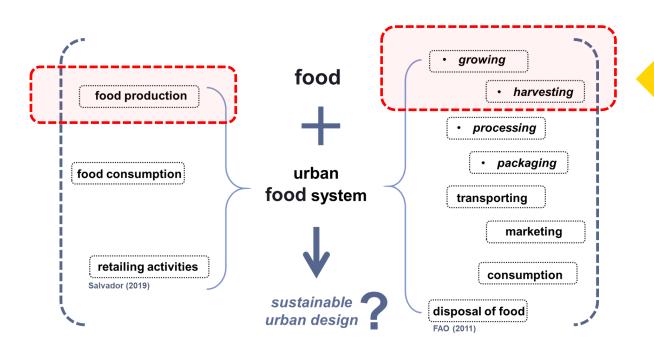




sustainable food patch

di Jakarta?





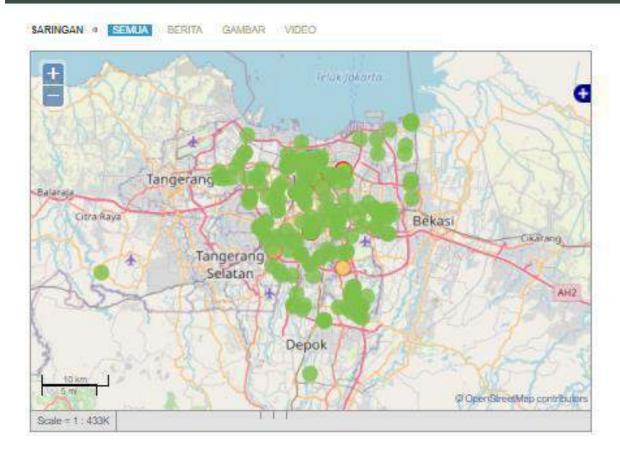
Desain Besar Pertanian Perkotaan di Jakarta

Instruksi Gubernur Provinsi Daerah Khusus Ibukota Jakarta Nomor 14 Tahun 2018



Pelaksanaan Pertanian Perkotaan











rumah susun



sentra komoditas unggulan buah lokal



gedung



lahan kosong





pekarangan & gang

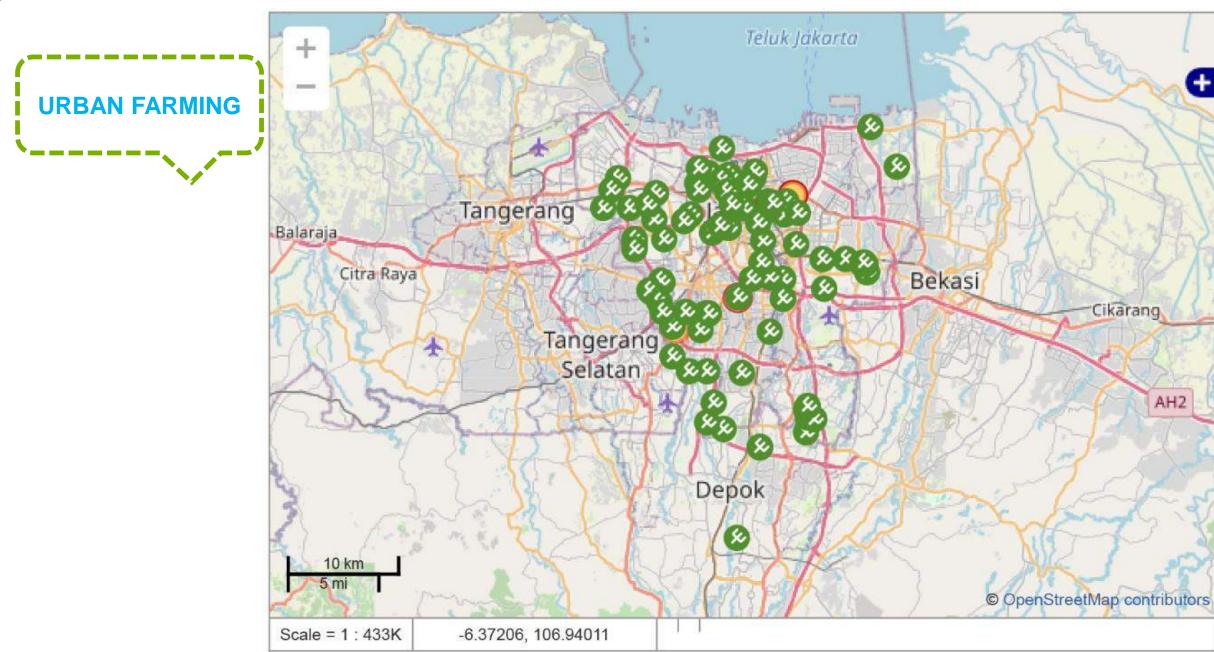


sekolah



RPTRA

https://tamunion.or.id/wpcontent/uploads/2020/05/Pertanian-Perkotaan-DKI-Jakarta_teknologi-hidroponik.pdf





Perkarangan dan Gang









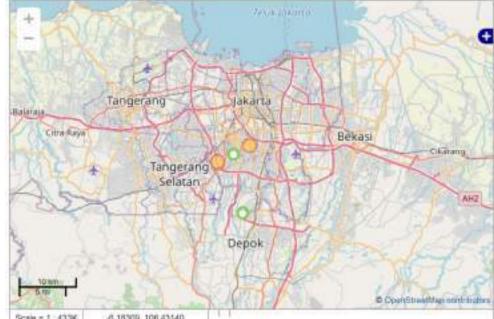
Lahan Kosong



Sekolah

Sentra **Komoditas** Unggulan

Buah Lokal



Œ -6.18309, 106.43140 Scale = 1:433%



Gedung

Cikini

Kebayoran Lama



https://www.thejakartapost.com/news/2020/10/27/urban-farming-a-solution-to-food-security-issues-during-pandemic.html



https://www.thejakartapost.com/news/2020/04/07/grow-your-own-urban-farming-flourishes-in-coronavirus-lockdowns.html

Cikini



https://www.thejakartapost.com/news/2017/05/23/jakartans-to-see-more-urban-farming.html



Cipete, Kebayoran Baru

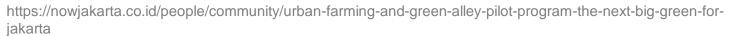






Kampung Hijau





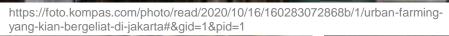






Menteng























Ruang Publik Terpadu Ramah Anak (RPTRA) Gondangdia

https://tamunion.or.id/wp-content/uploads/2020/05/Pertanian-Perkotaan-DKI-Jakarta_teknologi-hidroponik.pdf





terima kasih