

## DAFTAR PUSTAKA

- Alexander,C.(1997). “A Pattern Language”
- Aini,N.,Azizah,N.(2018) “Teknologi Budidaya Tanaman Sayuran Secara Hidroponik”.
- Asya’Roni Abdul.A.,Susilo Gatot.A.,& Sukiriyano Guguk. “Gedung riset dan edukasi tanaman hortikultura, tema: Arsitektur metafora”. Jurnal PENGILON.*Vol.4.No.1 Jan-Juni 2020, h.1-12.*
- AyaMohammedSaleem.,Rafee,E.,Mustafa,T.,Laila,H.,Saeed,M.,Arab,S.,Salim,S.(2012). Researc Centers: A guideline to the design of research centers.
- Badan Litbang Pertanian.(2010). “Sarana dan Prasarana Penelitian”. h:37-63
- Bauer.,M. Mosle, P & Schwarz, M. (2010). “Green building: Guidebook for sustainable architecture”
- Badan Litbang Pertanian.(2013). “Hasil Penelitian Badan LITBANG Pertanian 2015”.
- Blackswan. (2020). “The 3-legged Stool of Innovation:Driving Innovation Success.Blackswan Whitepaper Series.
- BPS.(2013)<https://www.bps.go.id/staticable/2014/02/18/1274/proyeksi-penduduk-menurut-provinsi-2010---2035.html>
- Clercq, M. De, Vats, A., & Biel, A. (2018). Agriculture 4.0: the Future of Farming Technology.
- World Government Summit Report, Agriculture 4.0: the Future of Farming Technology
- Dayle,A.,&Griffits,J.B. (1998). “Cell and Tissue Culture : Laboratory Procedures in Biotechnology.
- Daniel.(2007). “Building Types Basic For Research Laboratory”.
- Escano,N. (2009). “Intro to life Sciences Facility Design”.
- Firmansyah,M,R., Firzal,Y.,&Faisal.G. (2017). “Penerapan Prinsip Arsitektur Bioklimatik dalam Perancangan Tropical Orchid Center”. *Jom FTEKNIK.Vol.4.No.2 Oktober 2017.*
- Healthy Workplaces, Living Future Institute,2017* <http://qsinstitute.com/13627-2/>

- Indah Sari,D.N. (2020). Tugas Akhir : “Perancangan Pusat Penelitian dan Pengembangan Tanaman Sayur di Poncokusumo dengan Pendekatan Arsitektur Ekologis”.
- Mubarok Muhammad,F. (2019). “Laboratorium penelitian dan pengembangan tanaman pangan di kabupaten Semarang dengan pendekatan desain arsitektur organik”.
- Neufert,Ernst. (1996). “Data Arsitek Jilid I”. Jakarta:Erlangga.
- Neufert, Ernest. (2002). “Data Arsitek Jilid 2”. Jakarta:Erlangga.
- Rehman, A., & Hussain, I. (2016). “Modern Architectural Technology Adoption its Importance. Role and Usage for the Improvement of Agriculture”
- Saiz-Rubio,V., & Ravio-Mas,F. (2020). “From Smart Farming towards agriculture 5.0 : A review on crop data management. Agronomy,10. <https://doi.org/10.3390/agronomy10020207>.
- Sekarrini,A.,Faisal,G.,&Firzal.Y. “Perancangan agriculture research and development center di kabupaten Linggau dengan pendekatan arsitektur lanskap”. Jakarta: Bhumi Aksara.

Tulungen, Franky Reintje (2020).Pertanian Cengkeh Cerdas di Era Industri 4.0 dan Masyarakat

5.0.[https://www.google.co.id/books/edition/Pertanian\\_Cengkeh\\_Cerdas\\_Sulawesi\\_Utara/Rhr3DwAAQBAJ?hl=id&gbpv=1](https://www.google.co.id/books/edition/Pertanian_Cengkeh_Cerdas_Sulawesi_Utara/Rhr3DwAAQBAJ?hl=id&gbpv=1)

Turmimomor, Inggrid,A.G.,dkk. (2003). “Arsitektur bioklimatik”. Medin Matrasin Vol.8.No.1.

Yeang,Ken. (1994). “Bioclimatic Skyscrapers”. London : Artemis.

WDBG.(2017). “Research Facilities”. <https://www.wdbg.org/building-types/Researcrh-Facilities>