

Fikriyah Winata

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EDUCATION

Ph.D. in Geography and GIS

Dec 2021 (expected)

University of Illinois at Urbana-Champaign

Concentrations: health geography, GIS, and spatial analysis; Research interests: female migrant domestic workers in Asia, therapeutic landscapes & networks, healthcare access, and food access.

Passed Preliminary Exam in **April 2020**

Advisor: **Dr. Sara McLafferty**

M.S. in Geography

Aug 2018

University of Illinois at Urbana-Champaign

Concentrations: Geographic Information Science (GIS) and health geography

B.S. in Geography

Jul 2012

University of Indonesia

Undergraduate thesis project title: "The global dynamic of Sulawesi coffee in the global market and its implications to the local chains"

RESEARCH EXPERIENCE

Graduate Research Assistant

Food Access Research (FAR) Lab (working with Dr. Chelsea Singleton)

June 2020 - present

Department of Kinesiology and Community Health, University of Illinois at Urbana-Champaign

- Analyze county-level data on retail food environments & violent crime in the United States.
- Perform GIS, spatial analysis, and statistical analyses.
- Analyze associations between healthy food access, farmers' markets, and violent crime in Chicago.

Graduate Research Assistant

Geographic Information Science and Spatial Epidemiology (GISSA) Lab

Aug 2018 – Aug 2019

Department of Pathobiology, University of Illinois at Urbana-Champaign

- Involved in [I-TICK program](#) to develop a tick surveillance network in Illinois.
- Co-authored research papers on tick historical distributions and surveillance.
- Conducted tick data collection fieldwork in eight countries in central and southern IL.

Graduate Student Intern (Strategic Resources/Research Department)

Jan 2017 – Aug 2018

State Farm Research and Development Center – Building Technology Research Unit

- Contributed to five research projects on natural disasters (hurricanes, earthquakes, and tornadoes) and renewable energy (solar panel and wind turbine).
- Analyzed survey data to understand agents' experiences on manufactured homes.

Undergraduate Research Assistant**Jun 2009 - Dec 2011***Department of Geography, University of Indonesia*

- Analyzed MODIS imagery to estimate carbon stocks and terrestrial carbon in the Indonesian tropical rainforest.
- Collected and analyzed socioeconomic, demographic, and education data in Banten, Indonesia.

TEACHING AND TRAINING EXPERIENCE**Online Instructor****Jun 2019 – present***Department of Geography and GIS, University of Illinois at Urbana-Champaign*

- Teach, administer, monitor, and manage online courses:
 - (i) **GEOG105 – The Digital Earth (Summer 2019), 18 students**
 - (ii) **GEOG204 – Cities of the World (Winter 2019 – 2020), 24 students***
 - (iii) **GEOG/ESE – Intro to GIS Systems (Spring 2020), 53 students***
 - (iv) **GEOG105 – The Digital Earth (Summer 2020), 18 students**
- Grade assignments, reading responses, discussions, and lab.
- Hold regular and by-appointment virtual office hours.

Teaching Assistant, GEOG/ESE 379 Intro to GIS Systems***Aug – Dec 2020***Department of Geography and GIS, University of Illinois at Urbana-Champaign*

- Taught two sections of the GIS Lab for undergraduates (50 students).
- Developed a new lab exercise for field data collection using Survey123 for ArcGIS applications.
- Graded 16 weekly lab tasks and 5 lab assignments.
- Held office hours in the lab and by appointment.

**Awarded/recognized on the list of “Teachers Ranked as Excellent by Their Students”*

GIS Specialist for Education Sector**Sept 2014 – Jul 2016***Esri Indonesia – Esri Indonesia Education Program*

- Conducted technical trainings and workshops of ArcGIS Platform for faculty and students.
- Worked closely with the universities, their faculty and students to update Esri technologies and enhance their technical knowledge for teaching-learning activities, research, and community development.

GIS Instructor**Jan 2013 – Aug 2014***Esri Indonesia – Training and Technical Support Department*

- Conducted GIS technical training for Esri Indonesia’s users across the country from various sectors.
- Developed customized training materials and created three customized modules for Ina-Geoportal Application entitled: GIS Technologies; GIS Processing; and Digital Cartography.

GIS Assistant**Jun 2011 – Nov 2012***School of Public Health, University of Indonesia*

- Conducted GIS training for public health professionals from local health departments in Indonesia.

Master Trainer and Training Manager**Jun 2013 – Aug 2016***Training and Community Outreach Division, [PPKM Indonesia](#) (social volunteering program)*

- Taught financial literacy for underprivileged communities in Indonesia's 5 big cities.
- Trained college students for teaching at the community (ToC) to be duplicated on their fieldwork.

PUBLICATIONS

- Gilliam, M. E, Gronemeyer, P., Chakraborty, S., **Winata, F.**, Lyons, L. A., Miller-Hunt, C., Tuten, H. C., Deboisik, S., Freeman, D., Ruiz, M. O., Mateus-Pinilla, Nohra. (2019). Impact of Unexplored and Multiple Data Sources on the Historical Distribution of Three Vector Tick Species in Illinois. *Journal of Medical Entomology*, XX(X), 2019, 1-12
<https://doi.org/10.1093/jme/tjz235>
- Syanalia, R. A., **Winata, F.** (2018). Decarbonizing Energy in Bali with Solar Photovoltaic: GIS-Based Evaluation on Grid-Connected System. *Indonesian Journal of Energy* Vol. 1 No. 2 (2018) 5- 20

CONFERENCE AND POSTER PRESENTATIONS

- **Winata, F.** "Spatial and Socioeconomic Inequalities in the Availability of Community Health Centers (CHCs) in the Jakarta Region, Indonesia." 2020 American Association of Geographers (AAG) Annual Meeting, presented virtually through Zoom. *Finalist, Peter Gould Paper Competition.*
- **Winata, F.** "Does Distance Matter? Applying Multilevel Mixed-effect (Hierarchical) Modeling and Spatial Analysis Methods to Understand Healthcare Utilization in Java, Indonesia." The 2019 CDC Place and Health Conference, Atlanta, GA, November 2019.
- **Winata, F.** "Using Qualitative GIS to Understand the Therapeutic Landscapes of Non-Student Indonesian Women Living in Urbana-Champaign" [Poster], Illinois GIS Day 2019, Champaign, IL, November 2019.
- **Winata, F.**, Smith, Rebecca., "Challenges in Pairing Fine-Scale Landcover Data with County-Level Observations of *Ixodes scapularis*." Entomology Society of America Annual Meeting, St. Louis, MO, November 2019.
- **Winata, F.** "Community Health Center: A Place Where Poor People Can Access Health Care," GeoHealth Network Conference, the University of Toronto, Ontario – Canada, April 2019.
- **Winata, F.**, Gronemeyer, P., Mateus-Pinilla, N. E., Smith, L. R., Chakraborty, S., Lyons, L. A., "Relationships between Deer, *Ixodes scapularis* Tick, and Lyme Disease in Illinois: A Spatiotemporal Perspective," Illinois Chapter of the Wildlife Society – Annual Meeting 2019, Springfield – IL, April 2019.
- **Winata, F.**, Mateus-Pinilla, N. E., Smith, L. R. "Relationships between Deer, *Ixodes scapularis* Tick, and Lyme Disease in Illinois: A Spatiotemporal Perspective," [Poster] 2019 American Association of Geographers (AAG) Annual Meeting, Washington – DC, April 2019.
- **Winata, F.** "Healthcare Accessibility to the Low-Income Community in Jakarta, Indonesia: Who Cares?" URISA GIS-Pro and CalGIS 2018, Palm Spring – CA, October 2018.
- **Winata, F.** "Spatiotemporal Analysis of Dengue Fever in Indonesia, 2010 – 2015," The 2nd World Congress in Public Health and Health Care Management, London – United Kingdom, March 2018.
- **Winata, F.** "Spatiotemporal Analysis of Dengue Fever in Indonesia, 2010 – 2015," [Poster] 2018 SESE Research Review, School of Earth, Society, & Environment, the University of Illinois at Urbana-Champaign, Champaign, Illinois, February 2018.

- **Winata, F.** “StoryMaps: A Powerful Tool in Telling the Important Location in Educational Settings,” UNESCO International Forum on ICT and Education 2030, Qingdao – China, July 2017.
- **Winata, F.** “Creating Smart Survey Form with Survey123 for ArcGIS,” The 2016 Illinois GIS Day, Champaign – Illinois, November 2016.

PRESENTATIONS RELATED TO TEACHING AND LEARNING

- **Winata, F.** “Handling Common Technological Issues in Technical Lab Sessions,” Graduate Academy for College Teaching, the University of Illinois at Urbana-Champaign, Champaign, IL, August 2019; January 2020

HONORS, AWARDS, FELLOWSHIPS, GRANTS, AND SCHOLARSHIPS

- The Nelle M. Signor Graduate Scholarship in International Relations (\$3,000), Illinois International - Office of the Vice Provost for International Affairs & Global Strategies, May 2020
- LAS Global Studies Course Development Grant (\$3,000), College of Liberal Arts & Sciences (LAS), University of Illinois at Urbana-Champaign, May 2020
- President's Research in Diversity Travel Award (\$475), the University of Illinois Systems, May 2020
- Graduate College Dissertation Travel Grants (\$4,995), University of Illinois at Urbana-Champaign, April 2020
- Charles Alexander Graduate Fellowship for Women in Geography 2020-2021 (\$17,788), Fellowship package includes stipend and waiver for tuition & fees, Department of Geography and GIS, University of Illinois at Urbana-Champaign, March 2020
- AAG AGSG Research Award (\$150), The Applied Geography Specialty Group (AGSG), American Association of Geographers (AAG), March 2020
- AAG Melinda S. Meade Travel Award (\$150), The Health and Medical Geography Specialty Group (HMGSG), American Association of Geographers (AAG), Feb 2020
- Teachers Ranked as Excellent by Their Students, for teaching GEOG/ESE379 (FA 2019), and GEOG204 (WT 2020), GEOG/ESE 379 (SP 2020), University of Illinois at Urbana-Champaign
- SEAGA Paper Award (\$500), Winner of SEAGA Paper Competition, Southeast Asian Geography Association, Thailand, Jan 2020
- IMSA Student Outreach 5-Minute Thesis Competition (2nd Place), Indonesian Muslim Society in America, Dec 2019
- 2019 Samuel Berle and Jeffrey Schlesinger Travel Grant (\$600), School of Earth, Society, and Environment, University of Illinois at Urbana-Champaign, Nov 2019
- Fall 2019 Graduate College Conference Travel Grant (\$200), Graduate College, University of Illinois at Urbana-Champaign, Nov 2019
- Spring 2019 Graduate College Conference Travel Grant (\$325), Graduate College, University of Illinois at Urbana-Champaign, Apr 2019
- Illinois Chapter of The Wildlife Society (ICTWS) Student Travel Grant (\$110), Apr 2019
- Research Review Outstanding Poster Award (3rd place), the School of Earth, Society, and Environment (SESE), the University of Illinois at Urbana-Champaign, Feb 2019
- 2018 Student Scholarship Award (\$1000), Illinois GIS Association, 2018
- URISA Young Professional Scholarship Award (\$1850), Urban and Regional Information Systems Association, Oct 2018

- Runner-up of Student Poster Competition for Research Quality Category, 2018 University of Illinois GIS Day, poster title: “Community Health Center: A Place Where Poor People Can Access Health Care” (poster can be found at: <https://tinyurl.com/FWPuskesmasPoster>)
- LPDP Conference Travel Grant (\$1050), the Indonesia Ministry of Finance, 2018
- Finalist for the 2017 Illinois Research Park Award for Most Outstanding Graduate Student Intern
- Runner-up of the Best Dynamic Web Map, 2017 University of Illinois GIS Day, Web Map title: “Dengue fever in Jakarta, Indonesia: A study of spatial pattern of dengue fever in 2015” (can be found at <https://tinyurl.com/GISDayDengue>)
- UNESCO (United Nations Educational, Scientific, and Cultural Organization) Travel Award (\$2204) for attending the 2017 International Forum on ICT and Education 2030 as a **sponsored speaker**, Qingdao China, July 2017
- LPDP (Indonesia Endowment Fund for Education) Award (\$102,000) for attending master’s degree program in the United States, Indonesia Ministry of Finance, 2016 – 2018

CERTIFICATIONS AND LICENSES

- **CompTIA CTT+ (Certified Technical Trainer)** - Classroom trainer, license #COMP001020738011, received since 2015
- **Esri Certified | ArcGIS Desktop Associate 10.3**, license #8S8XECBK1MBEK7Z4
- **Esri Certified Instructor**, 2016
- **Teaching certificates** received from the Center for Innovation in Teaching and Learning, University of Illinois at Urbana-Champaign:
 - **Dr. Sandra J. Finley Teacher Scholar Certificate**, April 2020
 - **Graduate Teacher Certificate**, April 2020
 - **Certificate in Foundations of Teaching**, April 2019

SKILLS

ArcGIS for Desktop | ArcGIS Online | ArcGIS Pro | QGIS | GeoDA | SatScan | R | ENVI | Stata | SPSS | SAS

JOURNAL REVIEWER SERVICE

- Health and Place, Aug 2019 – Present
- IOP Conference Series: Earth and Environmental Science, May 2018 - Present

PROFESSIONAL MEMBERSHIPS

- American Association of Geographers (AAG) – Graduate student membership
- Urban and Regional Information Systems Association (URISA) – International membership
- Illinois GIS Association (ILGISA) – Student membership

COMMUNITY DEVELOPMENT AND SERVICES

Graduate Student Representative

May 2020 – May 2022

American Association of Geographers (AAG), Health and Medical Geography Specialty Group

- Develop a mentorship program between senior health geographers and graduate students.

Community Aide**June 2019 – present***University of Illinois Orchard Downs Family and Graduate Housing*

- Hosted neighborhood and community-wide events.
- Welcomed new resident and, volunteered on residents' check-in (\pm 27 hours in Fall semester)

Instructor, Orchard Downs Exercise Group**May 2019 - present***University of Illinois Orchard Downs Graduate and Family Housing*

- Conducted free weekly fitness class for Orchard Down residents

Geography Graduate Student Association (GGSA), Department of Geography and GIS, University of Illinois at Urbana-Champaign

- Served as President (2018 – 2019)
- Served as Social Chair (2019 – 2020)

Volunteering for campus and community programs (selected)

- Volunteer at Microteaching Session, the Graduate Teaching Academy for College Teaching, the University of Illinois at Urbana-Champaign, Champaign, IL, August 2019
- Regular volunteer at Children Programming (Children's Science Night; School's Out Children's Party; International Children's Celebration), University of Illinois Orchard Down Graduate and Family Housing, April – June 2018
- Student volunteer at the 2017 FOSS4G (Free and Open Source Software for Geospatial) Conference (\pm 10 hours), Boston – MA, August 2017
- *University of Illinois at Urbana-Champaign campus & community volunteering:* 1) 2017 Community and Campus Day of Service; 2) Annual International Dinner & Performance Night, as a cook in 2017 & 2019 events; 3) The University YMCA's Dump and Run, 2016 & 2019
- *Champaign-Urbana community volunteering:* 1) the 2017 Reading Across America, as a reader; 2) Urbana Sweet Corn Festival 2016; 3) the 2016 iHelp Habitat for Humanity; 3) the 2017 State Farm Employee Activity (Children's Games).

Project Implementer and Campaigner**Apr – Jun 2012***KAMI (Komunitas Alumni Muda Indonesia)*

- Created a project entitled "Preventing the Child Trafficking Through Providing the IEC (Information, Education, and Communication) Media
- Campaigned about anti-trafficking to middle school students in Indramayu Regency (SMPN 1 Haurgeulis and SMPN 2 Haurgeulis)

Disaster and Humanitarian Relief Volunteer**Dec 2011***New Zealand Commission for UNESCO, UNESCO Youth Beyond Disaster Program of UNESCO Asia Pacific*

- Helped local community in Christchurch – New Zealand at post-disaster relief by rebuilding their houses, parks and gardens, and helping them in terms of trauma-healing.
- Developed a draft of recommendations for UNESCO's disaster resilient program (as part of the UNESCO Youth Forum program)