



# Alexander Eggy Christian Pandiangan

CLIMATE ANALYST AND FORECASTER

I work at the climate change information center, BMKG. I do data processing including data science and data analysis to produce climatological information.



+628971039756



eggy.pandiangan@bmkgo.id  
eggy.pandiangan@gmail.com



Angkasa 1 Street No.2 Kemayoran,  
Central Jakarta, Indonesia



<https://www.linkedin.com/in/eggy-pandiangan>  
[eggy-pandiangan.github.io](https://github.com/eggy-pandiangan)

## SKILLS

- Bash (Shell)
- R
- Python
- MATLAB
- Inkscape
- GIS

## EDUCATION

### MASTER OF SCIENCE IN ATMOSPHERIC SCIENCE

Bandung Institute of Technology (ITB)  
2020 - 2022

### BACHELOR OF APPLIED CLIMATOLOGY

State College of Meteorology Climatology  
and Geophysics (STMKG)  
2013 - 2018

## LANGUAGE

English  
Indonesia

## EXPERIENCE

### CLIMATE ANALYST AND FORECASTER

Center for Climate Change Information, BMKG  
2018 - Present

- Dekad (10 days) and seasonal rainfall prediction in Indonesia
- Onset season prediction for Indonesia region
- Provide observation gridded rainfall of Indonesia based on satellite and gauges merging data
- Evaluate and verify rainfall and onset season of Indonesia

### INTERN STUDENT AS OBSERVER

Center for Meteorology Climatology and Geophysics Region IV  
Makassar  
2014-2015

- Observing weather at a synoptic weather station
- Data processing e.g. monthly average and seasonal variability

## RESEARCH AND PUBLICATION

- Pandiangan, A. E. C. (2022): Reduction of Systematic Error on IMERG-E Rainfall Estimation Using Bayesian Model Averaging, Master's Thesis, Institut Teknologi Bandung.  
<https://digilib.itb.ac.id/index.php/gdl/view/68912>
- A. E. C. Pandiangan, M. R. Syahputra, and T. W. Hadi. (2022, December). IMERG-E satellite rainfall estimation error decomposition for early warning use in several parts of Indonesia. In IOP Conference Series: Earth and Environmental Science 1105(1),012037. IOP Publishing.  
DOI 10.1088/1755-1315/1105/1/012037
- Robi Muharsyah, Adi Ripaldi, Tiara Maharani, Novi Fitrianti, Rosi Hanif D., Marlin Denata, Alexander Eggy C.P., Damiana F., Arda Y., Niken Wahyuni, Jauhari. (2020). Perbandingan Model Kopel ECMWF System 4 Dan CFSv2 Untuk Prediksi Musim di Indonesia. Megasains, 11(1), 1-11.  
<https://doi.org/10.46824/megasains.v11i01.3>
- Hidayat, N. M., Pandiangan, A. E., & Pratiwi, A. (2019). IDENTIFIKASI PERUBAHAN CURAH HUJAN DAN SUHU UDARA MENGGUNAKAN RCLIMDEX DI WILAYAH SERANG. Jurnal Meteorologi Klimatologi Dan Geofisika, 5(2), 37-44. <http://dx.doi.org/10.36754/jmkg.v5i2.57>
- Kurdiyan, A. E. C. Pandiangan, R. E. Saputri. (2018). Identification of Dengue Haemorrhagic Fever (DHF) Occurrence Probability based on Climate Parameter and its Projection, Case Study: East Java. International Proceeding ASEAN YOUTH CONFERENCE 2018 PPI-MALAYSIA. <http://dx.doi.org/10.5281/zenodo.2582323>
- Pandiangan, A. E. C. (2018). Analysis of Zonal, Meridional Components and Sea Surface Temperature as a Predictor of the Monthly Rainfall in the Makassar Area, Bachelor's Thesis, State College of Meteorology Climatology and Geophysics.  
[https://perpus.stmkg.ac.id/index.php?p=show\\_detail&id=11638](https://perpus.stmkg.ac.id/index.php?p=show_detail&id=11638)