

## DAFTAR PUSTAKA

- Abdolrahimi, M. (2016). The Effect of El Niño Southern Oscillation (ENSO) on World Cereal Production. *Thesis*. Sydney: University of Sydney.
- Amissah-arthur, A., Jagtap, S., & Rosenzweig, C. (2002). Events on Rainfall and Spatio-Temporal Effects of El Niño Maize Yield in Kenya. *International Journal of Climatology*, 1849–1860. <https://doi.org/10.1002/joc.858>
- Arwati, S. (2018). *Pengantar Ilmu Pertanian Berkelanjutan*. Inti Mediatama.
- Asnawi, R., & Mejaya, M. J. (2016). Analisis Keunggulan Kompetitif Ubi Kayu terhadap Jagung dan Kedelai di Kabupaten Lampung Tengah. *Penelitian Pertanian Tanaman Pangan*, 35(3), 209–216.
- Babkina, A. (2003). *El Niño: Overview and Bibliography*. Nova Science Publishers.
- Badan Pusat Statistik. (2001-2015). *Statistik Pertanian Nusa Tenggara Timur 2001–2015*.
- Badan Pusat Statistik. (2019). *Publikasi Provinsi Nusa Tenggara Timur dalam Angka 2019*.
- Badan Pusat Statistik. (2020). *Publikasi Provinsi Nusa Tenggara Timur dalam Angka 2020*.
- Bayong, Lubis, A., Juaeni, I. Ruminta, Harijono, S. W. B. (2008). Dampak Variasi Temperatur Samudera Pasifik dan Hindia Ekuatorial terhadap Curah Hujan di Indonesia. *Jurnal Sains Dirgantara*, 5(2), 83-95.
- Bertrand, A., Lengaigne, M., Takahashi, K., Avadí, A., Poulain, F., & Harrod, C. (2020). El Niño Southern Oscillation (ENSO) effects on fisheries and aquaculture. *FAO Fisheries and Aquaculture Technical Paper*, 660.
- Cirino, P. H., Féres, J. G., Braga, M. J., & Reis, E. (2015). Assessing the Impacts of ENSO-related Weather Effects on the Brazilian Agriculture. *Procedia Economics and Finance*, 24(15), 146–155. [https://doi.org/10.1016/s2212-5671\(15\)00635-8](https://doi.org/10.1016/s2212-5671(15)00635-8)

- Degenovine, K. M. (2011). *Semi-arid Environments: Agriculture, Water Supply and Vegetation*. UK: Nova Science Publisher.
- Falcon, W. P., Naylor, R. L., Smith, W. L., Burke, M. B., Mccullough, E. B., Falcon, W. P., Naylor, R. L., Smith, W. L., & Burke, M. B. (2004). *Bulletin of Indonesian Economic Studies Using climate models to improve Indonesian food security*. 4918. <https://doi.org/10.1080/0007491042000231520>
- Gardjito, M., Djuwardi, A., & Sirih, S. (2013). *Karakteristik dan Prospek untuk Percepatan Diversifikasi Pangan*. Kencana.
- Ghil, M. (2002). Natural Climate Variability. *Encyclopedia of Global Environmental Change*, 1, 544–549.
- Golden Gate Weather Services. (2002). *El Niño and La Niña Years Intensities Based on Oceanic Niño Index*. GG Weather. <https://ggweather.com/enso/oni.htm>
- Habib, A. (2013). Analisis Faktor-Faktor Yang Mempengaruhi Produksi Jagung. *Agrium*, 18(1), 79–87.
- Hanley, D. E., Bourassa, M. A., O'Brien, J. J., Smith, S. R., & Spade, E. R. (2003). Notes and Correspondence A Quantitative Evaluation of ENSO Indices. *Journal of Climate*, 16, 1249–1258.
- Hansen, J. W., Jones, J. W., Kiker, C. F., & Hodges, A. W. (1999). El Niño-Southern Oscillation impacts on winter vegetable production in Florida. *Journal of Climate*, 12(1), 92–102.
- Harini, R. (2020). *Tinjauan Spasial Optimasi Produksi Pertanian pada Wilayah Perbatasan*. Gadjah Mada University Press.
- Haryanto, T. (2009). *Ekonomi Pertanian*. Airlangga University Press.
- Hidayat, A. M., Efendi, U., Agustina, L., & Winarso, P. A. (2018). Korelasi Indeks Nino 3.4 dan Southern Oscillation Index (SOI) dengan Variasi Curah Hujan di Semarang. *Jurnal Sains & Teknologi Modifikasi Cuaca*, 19(2), <https://doi.org/https://doi.org/10.29122/jstm.v19i2.3143>

- Iizumi, T., Luo, J., Challinor, A. J., Sakurai, G., Yokozawa, M., Sakuma, H., Brown, M. E., & Yamagata, T. (2014). global yields of major crops. *Nature Communications*. May, 1–7. <https://doi.org/10.1038/ncomms4712>
- Irawan, B. (2006). Fenomena Anomali Iklim El Nino dan La Nina: Kecenderungan Jangka Panjang dan Pengaruhnya terhadap Produksi Pangan. *Forum Penelitian Agro Ekonomi*, 24(1), 28-45.
- Kefi, A., Guntoro, D., Santosa, E. (2020). Kelimpahan Vegetasi dan Simpanan Biji Gulma pada Pertanaman Jagung Berbeda Sejarah Pola Tanam di Lahan Kering. *Jurnal Agronomi Indonesia*, 48(1), 22-29.
- Killa, Y. M., Simanjuntak, B. H., & Widyawati, N. (2019). Penentuan Pola Tanam Padi dan Jagung Berbasis Neraca Air di Kecamatan Lewa Kabupaten Sumba Timur. *Agritech*, 38(4), 469.
- Kirono, D. G. C., Tapper, N. J., McBride, J. L., Kirono, D. G. C., & Tapper, N. J. (1999). Documenting Indonesian Rainfall in the 1997 / 1998 El Niño Event. *Physical Geography*, 20(5), 422–435. <https://doi.org/10.1080/02723646.1999.10642687>
- Liu, Y., Yang, X., & Wang, E. (2014). Climate and crop yields impacted by ENSO episodes on the North China Plain : 1956 – 2006. *Regional Environmental Change*, 49–59. <https://doi.org/10.1007/s10113-013-0455-1>
- Malau, L. R. E., Ulya, N. A., Anjani, R., Rahmat, M. (2021). Study of ENSO impact on agricultural food crops price as basic knowledge to improve community resilience in climate change. *IOP Conference Series: Earth and Environmental Science*. 874 012008
- Mardia, Alam, M. C., Anwarudin, O., Herawati, M., Khairad, F., Ernanda, R., Nurlina, Sarno, Purba, B., & Amruddin. (2021). *Ekonomi Pertanian*. Yayasan Kita Menulis.
- Matheus, R. (2019). *Skenario Pengelolaan Sumberdaya Lahan Kering: Menuju Pertanian Berkelanjutan*. Yogyakarta: Deepublish.
- McPhaden, M. J., Santoso, A., & Cai, W. (2020). *El Niño Southern Oscillation in a Changing Climate*. John Wiley & Sons, Inc.

- Miftahuddin. (2016). Analisis Unsur-Unsur Cuaca dan Iklim Melalui Uji Mann-Kendall Multivariat. *Jurnal Matematika, Statistika, Dan Komputasi*, 13(1), 26–38.
- Muhadjir, F. (1988). *Karakteristik Tanaman Jagung*. BPPT. Pusat Penelitian dan Pengembangan Tanaman. Bogor
- Mulyani, A., Nursyamsi, D., & Las, I. (2014). Acceleration of Agricultural Development in Dryland with Dry Climate in Nusa Tenggara. *Pegembangan Inovasi Pertanian*, 7(4), 187–198.
- Muza, O. (2017). El Nino-Southern Oscillation Influences on Food Security. *Journal of Sustainable Development*, 10(5), 268. <https://doi.org/10.5539/jsd.v10n5p268>
- Naranjo, L., Ramirez, I. J., & Glantz, M. (2019). Impacts On Climate and Seasonality Using Köppen- Geiger Climate Classification. <https://doi.org/10.13140/RG.2.2.30022.73289>
- Naylor, R., Falcon, W., Wada, N., & Rochberg, D. (2002). Using El Niño-Southern Oscillation climate data to improve food policy planning in Indonesia. *Bulletin of Indonesian Economic Studies*, 38(1), 75–91. <https://doi.org/10.1080/000749102753620293>
- Nurhayanti, Y., & Nugroho, M. (2016). Sensitivitas Produksi Padi Terhadap Perubahan Iklim di Indonesia Tahun 1974-2015. *Agro Ekonomi*, 27(2), 183. <https://doi.org/10.22146/jae.23038>
- Rengganis, H. (2017). Potensi dan Upaya Pemanfaatan Air Tanah untuk Irigasi Lahan Kering di Nusa Tenggara. *Jurnal Irigasi*, 11(2), 67. <https://doi.org/10.31028/ji.v11.i2.67-80>
- Reynolds, S. J., Rohli, R. V., Johnson, J. K., Waylen, P. R., Francek, M. A., (2018). *Exploring Physical Geography*, Edisi Ke-2. New York: McGraw Hill.
- Riptanti, E. W., Masyhuri, M., Irham, I., & Suryantini, A. (2020). *The ability of dryland farmer households in achieving food security in food-insecure area of East Nusa Tenggara , Indonesia*. 5(October 2019), 30–45. <https://doi.org/10.3934/agrfood.2020.1.30>

- Roberts, M. G., Dawe, D., Falcon, W. P., & Naylor, R. L. (2009). El Niño-southern oscillation impacts on rice production in Luzon, the Philippines. *Journal of Applied Meteorology and Climatology*, 48(8), 1718–1724. <https://doi.org/10.1175/2008JAMC1628.1>
- Santoso, A., McPhaden, M. J., Cai, W. (2020). *El Niño Southern Oscillation in A Changing Climate*. Washington: Wiley and Sons, Inc.
- Sugiarto, Y., & Kurniawan, D. (2009). Analisis Dampak Enso (El-Nino Southern Oscillation) Terhadap Tingkat Kekeringan Untuk Tanaman Pangan Dan Palawija (Studi Kasus : Sulawesi Selatan). *Agromet*, 23(2), 182. <https://doi.org/10.29244/j.agromet.23.2.182-198>
- Sundari, T. (2010). *Petunjuk Teknis: Pengenalan Varietas Unggul dan Teknik Budidaya Ubi Kayu (Materi Pelatihan Agribisnis bagi KMPH)*. Malang: Balai Penelitian Kacang Kacangan dan Umbi Umbian.
- Tack, J. B., & Ubilava, D. (2013). The effect of El Niño Southern Oscillation on U.S. corn production and downside risk. *Climatic Change*, 121(4), 689–700. <https://doi.org/10.1007/s10584-013-0918-x>
- Thornton, P. K., Ericksen, P. J., Herrero, M., & Challinor, A. J. (2014). Climate variability and vulnerability to climate change: A review. *Global Change Biology*, 20(11), 3313–3328. <https://doi.org/10.1111/gcb.12581>
- Tjoe, Y., Ratumakin, P. A., Hossain, M., & Davey, P. (2019). Disadvantaged Communities in Indonesian Semi-Arid Regions: An Investigation of Food Security Issues in Selected Subsistence Communities in West Timor. In *Sustainable Solutions for Food Security : Combating Climate Change by Adaptation* (pp. 381–408). Springer Nature Switzerland AG.
- Trenberth, K. E. (1997). The Definition of El Nino. *Bulletin of the American Meteorological Society*, 78(12), 2771–2777.
- Widiyanto, M. A. (2013). *Statistika Terapan: Konsep & Aplikasi SPSS dalam Penelitian Bidang Pendidikan, Psikologi & Ilmu Sosial Lainnya*. Jakarta: PT Elex Media Komputindo.
- Yan, Y., Mao, K., Shen, X., Cao, M., Xu, T., & Guo, Z. (2021). Evaluation of the influence of ENSO on tropical vegetation in long time series using a new

indicator. *Ecological Indicators*, 129, 107872.  
<https://doi.org/10.1016/j.ecolind.2021.107872>

Yokoyama, S. (2010). Historical Occurrence of El Nino and its Impact on Food Crop Production at a Regional Level in Asia and the Pacific. *Kochi University Review of Social Science*, 97, 87–102.