DAFTAR PUSTAKA

Aavilainen, E., & Päivänen, J. (1995). *Peatland Forestry : Ecology And Principles* (111 ed.). New York: Springer.

Agus, F., & Subiksa, I. G. M. (2008). *Lahan Gambut : Potensi Untuk Pertanian Dan Aspek Lingkungan*. *Balai Penelitian Tanah, Badan Penelitian Dan Pengembangan Pertanian*. Diambil dari http://www.worldagroforestry.org/sea/publications/files/book/BK0135-09.PDF

Asrofi, A. (2017). *Strategi Adaptasi Masyarakat Pesisir Dalam Penanganan Bencana Banjir Rob dan Implikasinya Terhadap Ketahanan Wilayah (Studi di Desa Bedono Kecamatan Sayung Kabupaten Demak Jawa Tengah)*. Jurnal Ketahanan Nasional, *23*, 125–144.

Barthelmes, F., & Köhler, W. (2012). *International Centre for Global Earth Models (ICGEM)*. Journal of Geodesy, The Geodesists Handbook 2012, 86(10), 932–934. https://doi.org/http://dx.doi.org/10.1007/s00190-012-0584-1

Bettadpur, S. (2012). *GRACE 327-734 (CSR-GR-03-01) Gravity Recovery and Climate Experiment Level-2 Gravity Field Product User Handbook*, 734.

Boening, C., Willis, J. K., Landerer, F. W., Nerem, R. S., & Fasullo, J. (2012). *The 2011 La Nia: So Strong, The Oceans Fell*. Geophysical Research Letters, *39*(19), 1–5. https://doi.org/10.1029/2012GL053055

Chelton, D., Ries, J. C., Haines, B. J., Fu, L. L., & Callahan, P. S. (2001). *Satellite Altimetry*. Academic Press. https://doi.org/10.1016/S0074-6142(01)80146-7

Chen, J. L., Rodell, M., Wilson, C. R., & Famiglietti, J. S. (2005). *Low Degree Spherical Harmonic Influences On Gravity Recovery And Climate Experiment (GRACE) Water Storage Estimates*. Geophysical Research Letters, *32*(14), 1–4. https://doi.org/10.1029/2005GL022964

Claessens, S. J., & Featherstone, W. E. (2008). *The Meissl Scheme For The Geodetic Ellipsoid*. Journal of Geodesy, 82(8), 513–522. https://doi.org/10.1007/s00190-007-0200-y

Dommain, R., Couwenberg, J., & Joosten, H. (2010). *Hydrological Self-Regulation Of Domed Peatlands In South-East Asia And Consequences For Conservation And Restoration*. Mires and Peat, Volume 6 (2010), Article 05, 1–17, http://www.mires-and-peat.net/, ISSN 1819-754X, 6(October), 1–17. https://doi.org/10.1021/nn4014388

Ewing, C. E., & Mitchell, M. M. (1970). *Introduction To Geodesy* (University). California: American Elsevier Pub.

Famiglietti, J. S., Lo, M., Ho, S. L., Bethune, J., Anderson, K. J., Syed, T. H., … Rodell, M. (2011). *Satellites Measure Recent Rates Of Groundwater Depletion In California's Central Valley*. Geophysical Research Letters, 38(3), 2–5. https://doi.org/10.1029/2010GL046442

Feng, W. (2018). *GRAMAT : A Comprehensive Matlab Toolbox For Estimating*

Global Mass Variations From GRACE Satellite Data. Earth Science Informatics, (Software Article). https://doi.org/10.1007/s12145-018-0368-0

Feng, W., Zhong, M., Lemoine, J., Biancale, R., Hsu, H., & Xia, J. (2013). *Evaluation Of Groundwater Depletion In North China Using The Gravity Recovery And Climate Experiment (GRACE) Data And Ground-Based Measurements.* Water Resources Research, 49(4), 2110–2118. https://doi.org/10.1002/wrcr.20192

Fuchs, M., Bouman, J., & Schwatke, C. (2017). *Annual Water Storage Estimates In The Amazon Basin From GRACE And GOCE Satellite Gravity Data*, (October), 1–14.

Fujiwara, M., K., K., T., O., S., K., T., S., N., K., … A., S. (2000). *Seasonal Variations Of Tropospheric Ozone In Indonesia Revealed By 5-Year Ground Based Observations*. J. Geophys. Res, 105, 1879–1888. https://doi.org/10.1029/1999JD900916

Geruo, A., Wahr, J., & Zhong, S. (2013). *Computations Of The Viscoelastic Response Of A 3-D Compressible Earth To Surface Loading: An Application To Glacial Isostatic Adjustment In Antarctica And Canada*. J. Geophys. Res, 105. https://doi.org/:10.1029/1999JD900916

Global Forest Watch dalam Pantau Gambut (2019). *Peta Restorasi Lahan Gambut*. Diambil pada 28 Juli 2019 dari https://www.pantaugambut.id/peta-restorasi

Hamada, Y., U., D., & R., H. (2013). *Characteristic Of Fire-Generated Gas Emission Observed During A Large Peatland Fire In 2009 At Kalimantan*. Atmos. Environ, 74, 177–181. https://doi.org/10.1016/j.atmosenv.2013.03.058

Han, J., Tangdamrongsub, N., Hwang, C., & Abidin, H. Z. (2017). *Intensified Water Storage Loss By Biomass Burning In Kalimantan: Detection By GRACE*. Journal of Geophysical Research: Solid Earth, 122(3), 2409–2430. https://doi.org/10.1002/2017JB014129

Harris, Hannah-Madisson. (2018). *Sejauh Mana Indonesia Melakukan Konservasi Dan Restorasi Lahan Gambut?* .Diambil 27 Juli 2019 dari forestsnews.cifor.org/57594/sejauh-mana-indonesia-melakukan-konservasi-dan-restorasi-lahan-gambut?fnl=id

Heiskanen, W. A., & Moritz, H. (1979). *Physical Geodesy*. San Fransisco: Freeman and Company.

Irma, W., Gunawan, T., & Suratman. (2018). *Pengaruh Konversi Lahan Gambut Terhadap Ketahanan Lingkungan di DAS Kampar Provinsi Riau Sumatera*. Jurnal Ketahanan Nasional, *24*(2), 170–191.

Jekeli, C. (2017). *Global Gravity Field Modeling From Satellite-To-Satellite Tracking Data.* https://doi.org/10.1007/978-3-319-49941-3

Joodaki, G., Wahr, J., & Swenson, S. (2014). *Estimating The Human Contribution To Groundwater Depletion In The Middle East, From GRACE Data, Land Surface Models, And Well Observations*. Water Resources Research.

https://doi.org/10.1002/2013WR014633

Landerer, F. W., & Swenson, S. C. (2012). *Accuracy Of Scaled GRACE Terrestrial Water Storage Estimates*. Water Resources Research, 48(4), 1–11. https://doi.org/10.1029/2011WR011453

Las, Nugroho, I. K., & Hidayat, A. (2008). *Strategi Pemanfaatan Lahan Gambut Untuk Pengembangan Pertanian Berkelanjutan*. Jurnal Pengembangan Inovasi Pertanian, 2, 295–298.

Lawson, I. T., Kelly, T. J., Aplin, P., Boom, A., Dargie, G., Draper, F. C. H., … Wheeler, J. (2015). *Improving Estimates Of Tropical Peatland Area, Carbon Storage, And Greenhouse Gas Fluxes*. Wetlands Ecology and Management, 23(3), 327–346. https://doi.org/10.1007/s11273-014-9402-2

Long, D., Pan, Y., Zhou, J., Chen, Y., Hou, X., Hong, Y., … Longuevergne, L. (2017). *Global Analysis Of Spatiotemporal Variability In Merged Total Water Storage Changes Using Multiple GRACE Products And Global Hydrological Models.* Remote Sensing of Environment, 192, 198–216. https://doi.org/10.1016/j.rse.2017.02.011

Long, D., Yang, Y., Wada, Y., Hong, Y., Liang, W., Chen, Y., … Chen, L. (2015). *Deriving Scaling Factors Using A Global Hydrological Model To Restore GRACE Total Water Storage Changes For China's Yangtze River Basin*. Remote Sensing of Environment, 168, 177–193. https://doi.org/10.1016/j.rse.2015.07.003

Mouquoy, Dimitri. (2007). *Raised peat bog development and possible responses to environmental changes during the mid- to late-Holocene. Can the palaeoecological record be used to predict the nature and response of raised peat bogs to future climate change?*. Biodivers Conserv 17. 2139–2151. DOI 10.1007/s10531-007-9222-2

Naeimi, M., & Flury, J. (2016). *Global Gravity Field Modeling from Satellite- to-Satellite Tracking Data*. (M. Naeimi, Ed.). Munich: Springer.

Nakaegawa, T., Yamamoto, K., Tanaka, T. Y., Hasegawa, T., & Fukuda, Y. (2012). *Investigation Of Temporal Characteristics Of Terrestrial Water Storage Changes And Its Comparison To Terrestrial Mass Changes.* Hydrological Processes, 26(16), 2470–2481. https://doi.org/10.1002/hyp.9392

NASA. (2018). *Gravity Recovery and Climate Experiment Follow-On (GRACE-FO) Mission.* Diambil 31 Januari 2019, dari https://gracefo.jpl.nasa.gov/mission/overview/

Noor, M. (2001). *Pertanian Lahan Gambut, Potensi & Kendala,*. Yogyakarta: Kanisius.

NOAA. (2017). *The Elements of Geodesy: Gravity*. Diambil 28 Juli 2019, dari https://oceanservice.noaa.gov/education/kits/geodesy/geo07_gravity.html

Oki, T., & Kanae, S. (2006). *Global Hydrological Cycles*. Science, 313(5790), 1068–

1072. https://doi.org/10.1126/science.1128845

Pamungkas, H. S. R., & Singgih, I. (2014). *Karakteristik Hidrologi Kawasan Gambut Sungai Kampar Dan Sekitarnya, Provinsi Riau*. In Seminar Nasional Ke – III Fakultas Teknik Geologi Universitas Padjadjaran Karakteristik. Bandung: Universitas Padjadjaran Karakteristik.

Piretzidis, D. (2017). *Satellite Orbit Simulations And Visualizations Using SAT-LAB*. Diambil dari http://www.dimitriospiretzidis.com/satlab_examples.html

Pusat Teknologi Pengembangan Sumber Daya Wilayah (PTPSW). (2019). *Sistem Pemantauan Air Lahan Gambut*. Diambil 29 Juli 2019 dari https://ptpsw.bppt.go.id/index.php/produk/93-sipalaga

Radjagukguk, B. (1999). *Perubahan Sifat - Sifat Fisik dan Kimia Tanah Gambut Akibat Reklamsi Lahan Gambut untuk Pertanian*. Jurnal Ilmu Tanah dan Lingkungan, 2, 1–15.

Rodell, M., Houser, P. R., Jambor, U., & Gottschalck, J. (2004). T*he Global Land Data Assimilation System*. American Meteorological Society, 46(March).

Rodell, M., Velicogna, I., & Famiglietti, J. S. (2009). *Seismogenic Active Fault Zone Between 2005 Kashmir And 1905 Kangra Earthquake Meizoseismal Regions And Earthquake Hazard In Eastern Kashmir Seismic Gap*. Current Science, 109(3), 610–617. https://doi.org/10.1038/nature08238

Rudiyanto, Minasny, B., Setiawan, B. I., Arif, C., Saptomo, S. K., & Chadirin, Y. (2016). *Digital Mapping For Cost-Effective And Accurate Prediction Of The Depth And Carbon Stocks In Indonesian Peatlands*. Geoderma, 272, 20–31. https://doi.org/10.1016/j.geoderma.2016.02.026

Rummel, R., Reigber, C., & Ilk, K.-H. (1978). *The Use Of Satellite-To-Satellite Tracking For Gravity Parameter Recovery*. In Proceedings of the European Workshop on Space Oceanography, Navigation and Geodynamics (SONG) (hal. 153–161).

Sanso, F., Rummel, R., Bhattacharji, S., Friedman, G. M., Neugebauer, H. J., & Seilacher, A. (1989). *Lecture Notes in Earth Sciences Theory of Satellite Geodesy and Gravity Field Determination*. (F. Sanso, Ed.), Lecture Notes in Earth Sciences. Berlin: Springer-Verlag. https://doi.org/10.1080/13645579.2015.1091235

Satriadi, D., & Kurnianto, S. (2016). *Topik C2 – Hidrologi Lahan Gambut Indonesia 1*. Website CIFOR, 1–29. Diambil dari http://www.cifor.org/ipn-toolbox/wp-content/uploads/pdf/C2.pdf

Scanlon, B. R., Longuevergne, L., & Long, D. (2012). *Ground Referencing GRACE Satellite Estimates Of Groundwater Storage Changes In The California Central Valley, USA*. Water Resources Research, 48(4), 1–9. https://doi.org/10.1029/2011WR011312

Scanlon, B. R., Zhang, Z., Reedy, R. C., Pool, D. R., Save, H., Long, D., … Winester,

D. (2015). *Hydrologic Implications Of GRACE Satellite Data In The Colorado River Basin*. Water Resources Research, 51(12), 9891–9903. https://doi.org/10.1002/2015WR018090

Siegel, D. (2017). *Explore Climate Trends with the Water Balance App*. Diambil dari esri.com/arcgis-blog/products/arcgis-living-atlas/water/explore-climate-trends-with-the-water-balance-app/

SiPONGI. (2019). R*ekapitulasi Luas Kebakaran Hutan dan Lahan (Ha) Per Provinsi Di Indonesia Tahun 2014-2019.*Kementerian Lingkungan Hidup dan Kehutanan. Diambil pada 28 Juli 2019 dari http://sipongi.menlhk.go.id/hotspot/luas_kebakaran

Śliwińska, J., & Nastula, J. (2018). *Validation Of Static Global Gravity Field Models From CHAMP , GRACE And GOCE With Ground Data In Poland*, (Space Research Centre of the Polish Academy of Sciences). https://doi.org/10.1007/s11600-018-0227-x

Sulaiman, Albertus. Sari, Eli Nur Nirmala. Saad, Asmadi. (2017). *Panduan Teknis Pemantauan Tinggi Muka Air Lahan Gambut*. Badan Restorasi Gambut. ISBN: 978-602-61026-1-4

Sumaryo, Heliani, L. S., & Parseno. (2005). *Geodesi Fisis*. Yogyakarta: Universitas Gadjah Mada.

Suwondo, Sabiham, S., Sumardjo, & Paramudya, B. (2010). *Analisis Lingkungan Biofisik Lahan Gambut Pada Perkebunan Kelapa Sawit*. Jurnal Hidrolitan, 1, 20–28.

Swails, E., Reager, J. ., Kailiang, Y., Famiglietti, J. S., Randerson, J. T., & Deborah, L. (2017). *Assessing Link Between Water And Carbon Storage In Indonesian Peatlands Using Data From The Gravity Recovery And Climate Experiment.* American Geophysical Union.

Swenson, S., Chambers, D., & Wahr, J. (2008). *Estimating Geocenter Variations From A Combination Of GRACE And Ocean Model Output.* Journal of Geophysical Research: Solid Earth, 113(8), 1–12. https://doi.org/10.1029/2007JB005338

Tapley, B. D., Bettadpur, S., Ries, J. C., Thompson, P. F., & Watkins, M. M. (2004). *GRACE Measurements Of Mass Variability In The Earth System*. Science, *305*(5683), 503–505. https://doi.org/10.1126/science.1099192

Troch, P., Durcik, M., Seneviratne, S., Hirschi, M., Teuling, A., Hurkmans, R., & Hasan, S. (2007). *New Data Sets To Estimate Terrestrial Water Storage Change.* American Geophysical Union, *88*(45), 469–470.

Vanicek, P., & Krakiwsky, J. E. (1982). *Geodesy: The Concepts*. North Holland: Elsevier Science Ltd.

Velicogna, I., & Wahr, J. (2013). *Time-Variable Gravity Observations Of Ice Sheet Mass Balance: Precision And Limitations Of The GRACE Satellite Data.*

Geophysical Research Letters, *40*(12), 3055–3063. https://doi.org/10.1002/grl.50527

Wahr, J., Molenaar, M., & Bryan, F. (1998). *Time Variability Of The Earth's Gravity Field: Hydrological And Oceanic Effects And Their Possible Detection Using GRACE*. JGR : Solid Earth, 103(Geodesy and Gravity Tectonophysics), 205–229.

Wahyunto. (2006). *Lahan Gambut Di Indonesia Di Indonesia*. Diambil 27 Juli 2019 dari http://www.cifor.org/ipn-toolbox/tema-a/