

DAFTAR PUSTAKA

- Aber, J. S., Marzloff, I., & Ries, J. B. (2010). Small-Format Aerial Photography. In *Physical Geography* (1st ed.). Elsevier Science.
<https://doi.org/10.1016/C2009-0-18493-3>
- Alvarez, L. V., Moreno, H. A., Segales, A. R., Pham, T. G., Pillar-Little, E. A., & Chilson, P. B. (2018). Merging Unmanned Aerial Systems (UAS) Imagery and Echo Soundings with an Adaptive Sampling Technique for Bathymetric Surveys. *Remote Sensing*, 10(9). <https://doi.org/10.3390/rs10091362>
- Arseni, Voiculescu, Georgescu, Iticescu, & Rosu. (2019). Testing Different Interpolation Methods Based on Single Beam Echosounder River Surveying. Case Study: Siret River. *ISPRS International Journal of Geo-Information*, 8(11), 507. <https://doi.org/10.3390/ijgi8110507>
- Aziz, A. A. (2019). *Integrasi Data Batimetri Dan Topografi-UAV Fotogrametri Untuk Model Elevasi Digital Wilayah Pesisir Pangandaran* [Institut Teknologi Bandung]. <https://digilib.itb.ac.id/index.php/gdl/view/39754/>
- Badan Informasi Geospasial. (2020). *Peraturan Badan Informasi Geospasial Republik Indonesia Tentang Standar Pengumpulan Data Geospasial Dasar Untuk Pembuatan Peta Dasar Skala Besar (PerBIG Nomor 1 Tahun 2020)*. Badan Informasi Geospasial. <https://jdih.big.go.id/hukumjdih/38183768>
- BBWS Pemali-Juana. (2021). *Profil Balai Besar Wilayah Sungai Pemali Juana 2021 Maret*.
- Beyer, A. (2006). Seafloor analysis based on multibeam bathymetry and backscatter data. *Ber. Polarforsch. Meeresforsch*, 540.
- Britannica. (2020). *Raster graphics*.
<https://www.britannica.com/technology/raster-graphics>
- Bustos, M. C., Concha, F., Bürger, R., & Tory, E. M. (1999). *Sedimentation and Thickening: Phenomenological Foundation and Mathematical Theory*. Kluwer Academic Publishers.
- Carrivick, J. L., Smith, M. W., & Quincey, D. J. (2016). *Structure from Motion in*



the Geosciences. John Wiley & Sons, Ltd.
<https://doi.org/10.1002/9781118895818>

Chai, T., & Draxler, R. R. (2014). Root mean square error (RMSE) or mean absolute error (MAE)? -Arguments against avoiding RMSE in the literature. *Geoscientific Model Development*, 7(3), 1247–1250.
<https://doi.org/10.5194/gmd-7-1247-2014>

Chen, W., Fu, Z.-J., & Chen, C. S. (2014). Recent Advances in Radial Basis Function Collocation Methods. In *SpringerBriefs in Applied Sciences and Technology*. Springer Berlin Heidelberg. <https://doi.org/10.1007/978-3-642-39572-7>

Chua, C. K., Wong, C. H., & Yeong, W. Y. (2017). *Standards, Quality Control, and Measurement Sciences in 3D Printing and Additive Manufacturing* (1st ed.). Academic Press, an imprint of Elsevier.

Congalton, R. G., & Green, K. (2019). *Assessing the Accuracy of Remotely Sensed Data: Principles and Practices* (3rd ed.). CRC Press/Taylor & Francis.

Cooper, I., Hotchkiss, R. H., & Williams, G. P. (2020). Extending Multi-Beam Sonar with Structure from Motion Data of Shorelines for Complete Pool Bathymetry of Reservoirs. *Remote Sensing*, 13(1), 1–30.
<https://doi.org/10.3390/rs13010035>

Cressie, N. (1990). The origins of kriging. *Mathematical Geology*, 22(3), 239–252. <https://doi.org/10.1007/BF00889887>

Da-Jiang Innovations. (n.d.). *Phantom 3 Professional - Product Information - DJI*. Retrieved March 15, 2021, from <https://www.dji.com/id/phantom-3-pro/info>

Departemen Pemukiman dan Prasarana Wilayah. (2004). *Pedoman Konstruksi dan Bangunan: Pengoperasian Waduk Tunggal*. Pusat Litbang Sumber Daya Air.

Direktorat Jenderal Sumber Daya Air. (n.d.). *WRDC*. Retrieved May 27, 2021, from <http://pdsda.sda.pu.go.id/>



- DOSITS. (n.d.). *Echosounder – Discovery of Sound in the Sea*. Retrieved March 25, 2021, from <https://dosits.org/galleries/technology-gallery/observing-the-sea-floor/echosounder/>
- Esri. (n.d.-a). *Generate an orthomosaic using the Orthomosaic wizard*. Retrieved March 16, 2021, from <https://pro.arcgis.com/en/pro-app/latest/help/data/imagery/generate-an-orthomosaics-using-the-orthomosaic-wizard.htm>
- Esri. (n.d.-b). *Voronoi diagram*. Esri Support GIS Dictionary. Retrieved January 12, 2022, from <https://support.esri.com/en/other-resources/gis-dictionary/term/5c97bf7d-545f-402f-aba8-bd452d9dac4f>
- Esri. (2011). *How Surface Volume (3D Analyst) works*. ArcGIS Desktop 9.3 Help. [http://webhelp.esri.com/arcgisdesktop/9.3/index.cfm?TopicName=How Surface Volume %283D Analyst%29 works](http://webhelp.esri.com/arcgisdesktop/9.3/index.cfm?TopicName=How%20Surface%20Volume%20works)
- Esri. (2020a). *How inverse distance weighted interpolation works*. ArcGIS Pro Help. <https://pro.arcgis.com/en/pro-app/latest/help/analysis/geostatistical-analyst/how-inverse-distance-weighted-interpolation-works.htm>
- Esri. (2020b). *Storage Capacity (Spatial Analyst)*. ArcGIS Pro Tool Reference. <https://pro.arcgis.com/en/pro-app/latest/tool-reference/spatial-analyst/storage-capacity.htm>
- ESRI. (2020). *Parameter optimization*. ArcGIS Pro Help. <https://pro.arcgis.com/en/pro-app/latest/help/analysis/geostatistical-analyst/parameter-optimization.htm>
- European Global Navigation Satellite Systems Agency. (2020, November 19). *What is GNSS?* <https://www.gsa.europa.eu/european-gnss/what-gnss>
- Fahlstrom, P. G., & Gleason, T. J. (2012). *Introduction to UAV Systems, Fourth Edition*. John Wiley & Sons, Ltd. <https://doi.org/10.1002/9781118396780>
- García, J., & Molina, J. M. (2020). Simulation in real conditions of navigation and obstacle avoidance with PX4/Gazebo platform. *Personal and Ubiquitous Computing*. <https://doi.org/10.1007/s00779-019-01356-4>



- Gunther, T. (n.d.). *Triangulation*. National Geographic. Retrieved March 30, 2021, from <https://www.nationalgeographic.org/photo/triangulation-sized/>
- Hardy, R. L. (1971). Multiquadric equations of topography and other irregular surfaces. *Journal of Geophysical Research*, 76(8), 1905–1915.
<https://doi.org/10.1029/JB076i008p01905>
- Hengl, T., & Evans, I. S. (2009). *Chapter 2 Mathematical and Digital Models of the Land Surface* (pp. 31–63). [https://doi.org/10.1016/S0166-2481\(08\)00002-0](https://doi.org/10.1016/S0166-2481(08)00002-0)
- Hengl, Tomislav. (2006). Finding the right pixel size. *Computers and Geosciences*, 32(9), 1283–1298. <https://doi.org/10.1016/j.cageo.2005.11.008>
- IHO. (2005). *Manual On Hydrography*. International Hydrographic Bureau.
- IHO. (2020). *Guidance on Crowdsourced Bathymetry (2.0.3)*. International Hydrographic Organization. https://www.iho.int/iho_pubs/draft_pubs/CSB-Guidance_Document-Ed1.0.0.pdf
- Iosa, M., Picerno, P., Paolucci, S., & Morone, G. (2016). Wearable inertial sensors for human movement analysis. *Expert Review of Medical Devices*, 13(7), 641–659. <https://doi.org/10.1080/17434440.2016.1198694>
- Jatmiko, A. S. P. (2014). *Integrasi Data Foto Udara Dan Batimetri Menggunakan Wahana Tanpa Awak untuk Keperluan Penentuan Batas Wilayah Menggunakan Informasi Tiga Dimensi* [Institut Teknologi Bandung]. <https://digilib.itb.ac.id/index.php/gdl/view/20743/>
- Jin, S., Cardellach, E., & Xie, F. (2014). GNSS Remote Sensing: Theory, Methods and Applications. In *Tijdschrift voor Urologie* (Vol. 2014, Issue 1). Springer Netherlands. <https://doi.org/10.1186/1687-6180-2014-158>
- Kang, J. M. (2008). Voronoi Diagram. In *Encyclopedia of GIS* (pp. 1232–1235). Springer US. https://doi.org/10.1007/978-0-387-35973-1_1461
- Lenzerini, M. (2002). Data Integration: A Theoretical Perspective. *Proceedings of the ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database*



Systems, 233–246.

Linder, W. (2006). *Digital Photogrammetry* (2nd ed.). Springer.

<https://doi.org/10.1007/3-540-29153-9>

Liu, H., & Wu, C. (2020). Developing a scene-based triangulated irregular network (TIN) technique for individual tree crown reconstruction with LiDAR data. *Forests*, *11*(1), 1–18. <https://doi.org/10.3390/f11010028>

Mathisen, S. G., Leira, F. S., Helgesen, H. H., Gryte, K., & Johansen, T. A. (2020). Autonomous ballistic airdrop of objects from a small fixed-wing unmanned aerial vehicle. *Autonomous Robots*, *44*(5), 859–875.

<https://doi.org/10.1007/s10514-020-09902-3>

Merriam-Webster. (n.d.). *Morphometry*. Merriam-Webster.Com Dictionary.

Retrieved May 20, 2021, from <https://www.merriam-webster.com/dictionary/morphometry>

Micallef, A. (2011). Marine Geomorphology. Geomorphological Mapping and the Study of Submarine Landslides. In *Developments in Earth Surface Processes* (Vol. 15, pp. 377–395). Elsevier B.V. <https://doi.org/10.1016/B978-0-444-53446-0.00013-6>

Natural Resources Canada. (2015, November 19). *Passive vs. Active Sensing*.

Maps, Tools and Publications. <https://www.nrcan.gc.ca/maps-tools-publications/satellite-imagery-air-photos/remote-sensing-tutorials/introduction/passive-vs-active-sensing/14639>

NOAA. (2015, July 30). *What does the age of the survey mean for nautical charts?* <https://noaacoastsurvey.wordpress.com/2015/07/30/what-does-the-age-of-the-survey-mean-for-nautical-charts/>

Paine, D. P., & Kiser, J. D. (2012). *Aerial Photography and Image Interpretation* (3rd ed.). John Wiley & Sons, Inc. <https://doi.org/10.1002/9781118110997>

Pix4D. (2019, December 4). *Ground control points: why are they important?*

<https://www.pix4d.com/blog/why-ground-control-points-important>



- Purwanto, T. H. (2017). Pemanfaatan Foto Udara Format Kecil untuk Ekstraksi Digital Elevation Model dengan Metode Stereoplotting. *Majalah Geografi Indonesia*, 31(1), 73. <https://doi.org/10.22146/mgi.24246>
- Raharjo, P. (2008). *Simulasi Sedimentasi dan Analisis Umur Waduk Studi Kasus Waduk Saguling*. Institut Teknologi Bandung.
- Rajasekar, N. (2017, May 3). *Introducing the Storage Capacity tool*. ArcGIS Blog. <https://www.esri.com/arcgis-blog/products/analytics/analytics/introducing-the-storage-capacity-tool/>
- Remondino, F., Barazzetti, L., Nex, F., Scaioni, M., & Sarazzi, D. (2011). UAV Photogrammetry for Mapping and 3D Modeling – Current Status and Future Perspectives. *ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, XXXVIII(September), 14–16. <https://doi.org/10.5194/isprsarchives-XXXVIII-1-C22-25-2011>
- Saadatseresht, M., Hashempour, A. H., & Hasanlou, M. (2015). UAV photogrammetry: A practical solution for challenging mapping projects. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 40(1W5), 619–623. <https://doi.org/10.5194/isprsarchives-XL-1-W5-619-2015>
- Sardemann, H., Eltner, A., & Maas, H.-G. (2020). *Acquisition of Geometrical Data of Small Rivers with an Unmanned Water Vehicle*. XLII(June 2018), 4–7.
- Schofield, W., & Breach, M. (2007). *Engineering Surveying* (6th ed.). Elsevier. <https://www.taylorfrancis.com/books/9781315147048>
- Shepard, D. (1968). Two- dimensional interpolation function for irregularly-spaced data. *Proc 23rd Nat Conf*, 517–524.
- Šiljeg, A., Lozić, S., & Šiljeg, S. (2015). A comparison of interpolation methods on the basis of data obtained from a bathymetric survey of Lake Vrana, Croatia. *Hydrology and Earth System Sciences*, 19(8), 3653–3666. <https://doi.org/10.5194/hess-19-3653-2015>



- Simarmata, H. L. (2005). *Prinsip-Prinsip Statistik Untuk Teknik dan Sains*. Erlangga.
- Siswanto, A. Y. (2008). *Sebaran Nilai Target Strength dan Densitas Ikan Demersal di Perairan Laut Jawa pada Bulan Mei* [Institut Pertanian Bogor]. <https://repository.ipb.ac.id/handle/123456789/50421>
- Sutanto. (1994). *Penginderaan Jauh Jilid 2*. Gadjah Mada University Press.
- Tanaka, Y. (2018). Active Vibration Compensator on Moving Vessel by Hydraulic Parallel Mechanism. *International Journal of Hydromechatronics*, 1(3), 350. <https://doi.org/10.1504/IJHM.2018.094887>
- Triggs, B., McLauchlan, P. F., Hartley, R. I., & Fitzgibbon, A. W. (2000). Bundle Adjustment - A Modern Synthesis. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 1883, 298–372. https://doi.org/10.1007/3-540-44480-7_21
- Untoro, M. A. S. (2019). *Perbandingan Ketelitian Geometrik Model Elevasi Digital Hasil Ground Filtering: dan Klasifikasi Informasi Tematik*. Universitas Gadjah Mada.
- Webster, R., & Oliver, M. A. (2007). *Geostatistics for Environmental Scientists* (2nd ed., Vol. 1, Issue 2). John Wiley & Sons, Ltd. <https://doi.org/10.1002/9780470517277>
- Weil, J. (1986). The synthesis of cloth objects. *Proceedings of the 13th Annual Conference on Computer Graphics and Interactive Techniques, SIGGRAPH 1986*, 20(4), 49–54. <https://doi.org/10.1145/15922.15891>
- Weng, Q. (2018). High Spatial Resolution Remote Sensing. In Y. He & Q. Weng (Eds.), *High Spatial Resolution Remote Sensing*. CRC Press. <https://doi.org/10.1201/9780429470196>
- Wetzel, R. G. (2001). *Limnology: Lake and River Ecosystems* (3rd ed.). Elsevier. <https://www.elsevier.com/books/limnology/wetzel/978-0-08-057439-4>



- Willmott, C. J., Matsuura, K., & Robeson, S. M. (2009). Ambiguities inherent in sums-of-squares-based error statistics. *Atmospheric Environment*, 43(3), 749–752. <https://doi.org/10.1016/j.atmosenv.2008.10.005>
- Wolf, P. R., Dewitt, B. A., & Wilkinson, B. E. (2014). Elements of Photogrammetry With Applications in GIS. In *McGraw-Hill's AccessEngineering* (4th ed., Vol. 3). McGraw-Hill Education.
- Wulandari, D. A., Darsono, S., & Kurniani, D. (2019). Optimization of Gunungrowo Reservoir operation. *MATEC Web of Conferences*, 270, 04016. <https://doi.org/10.1051/mateconf/201927004016>
- Yoo, C., Shin, H., & Lee, J. (2020). Evaluation of the storage effect considering possible redevelopment options of the peace dam in South Korea. *Water (Switzerland)*, 12(6), 1–17. <https://doi.org/10.3390/W12061674>
- Zhang, W., Qi, J., Wan, P., & Wang, H. (2016). *CSF (plugin)*. CloudCompareWiki. [https://www.cloudcompare.org/doc/wiki/index.php?title=CSF_\(plugin\)](https://www.cloudcompare.org/doc/wiki/index.php?title=CSF_(plugin))
- Zhang, W., Qi, J., Wan, P., Wang, H., Xie, D., Wang, X., & Yan, G. (2016). An easy-to-use airborne LiDAR data filtering method based on cloth simulation. *Remote Sensing*, 8(6), 1–22. <https://doi.org/10.3390/rs8060501>
- Aber, J. S., Marzloff, I., & Ries, J. B. (2010). Small-Format Aerial Photography. In *Physical Geography* (1st ed.). Elsevier Science. <https://doi.org/10.1016/C2009-0-18493-3>
- Alvarez, L. V., Moreno, H. A., Segales, A. R., Pham, T. G., Pillar-Little, E. A., & Chilson, P. B. (2018). Merging Unmanned Aerial Systems (UAS) Imagery and Echo Soundings with an Adaptive Sampling Technique for Bathymetric Surveys. *Remote Sensing*, 10(9). <https://doi.org/10.3390/rs10091362>
- Arseni, Voiculescu, Georgescu, Iticescu, & Rosu. (2019). Testing Different Interpolation Methods Based on Single Beam Echosounder River Surveying. Case Study: Siret River. *ISPRS International Journal of Geo-Information*, 8(11), 507. <https://doi.org/10.3390/ijgi8110507>



- Aziz, A. A. (2019). *Integrasi Data Batimetri Dan Topografi-UAV Fotogrametri Untuk Model Elevasi Digital Wilayah Pesisir Pangandaran* [Institut Teknologi Bandung]. <https://digilib.itb.ac.id/index.php/gdl/view/39754/>
- Badan Informasi Geospasial. (2020). *Peraturan Badan Informasi Geospasial Republik Indonesia Tentang Standar Pengumpulan Data Geospasial Dasar Untuk Pembuatan Peta Dasar Skala Besar (PerBIG Nomor 1 Tahun 2020)*. Badan Informasi Geospasial. <https://jdih.big.go.id/hukumjdih/38183768>
- BBWS Pemali-Juana. (2021). *Profil Balai Besar Wilayah Sungai Pemali Juana 2021 Maret*.
- Beyer, A. (2006). Seafloor analysis based on multibeam bathymetry and backscatter data. *Ber. Polarforsch. Meeresforsch*, 540.
- Britannica. (2020). *Raster graphics*.
<https://www.britannica.com/technology/raster-graphics>
- Bustos, M. C., Concha, F., Bürger, R., & Tory, E. M. (1999). *Sedimentation and Thickening: Phenomenological Foundation and Mathematical Theory*. Kluwer Academic Publishers.
- Carrivick, J. L., Smith, M. W., & Quincey, D. J. (2016). *Structure from Motion in the Geosciences*. John Wiley & Sons, Ltd.
<https://doi.org/10.1002/9781118895818>
- Chai, T., & Draxler, R. R. (2014). Root mean square error (RMSE) or mean absolute error (MAE)? -Arguments against avoiding RMSE in the literature. *Geoscientific Model Development*, 7(3), 1247–1250.
<https://doi.org/10.5194/gmd-7-1247-2014>
- Chen, W., Fu, Z.-J., & Chen, C. S. (2014). Recent Advances in Radial Basis Function Collocation Methods. In *SpringerBriefs in Applied Sciences and Technology*. Springer Berlin Heidelberg. <https://doi.org/10.1007/978-3-642-39572-7>
- Chua, C. K., Wong, C. H., & Yeong, W. Y. (2017). *Standards, Quality Control, and Measurement Sciences in 3D Printing and Additive Manufacturing* (1st



ed.). Academic Press, an imprint of Elsevier.

- Congalton, R. G., & Green, K. (2019). *Assessing the Accuracy of Remotely Sensed Data: Principles and Practices* (3rd ed.). CRC Press/Taylor & Francis.
- Cooper, I., Hotchkiss, R. H., & Williams, G. P. (2020). Extending Multi-Beam Sonar with Structure from Motion Data of Shorelines for Complete Pool Bathymetry of Reservoirs. *Remote Sensing*, 13(1), 1–30.
<https://doi.org/10.3390/rs13010035>
- Cressie, N. (1990). The origins of kriging. *Mathematical Geology*, 22(3), 239–252. <https://doi.org/10.1007/BF00889887>
- Da-Jiang Innovations. (n.d.). *Phantom 3 Professional - Product Information - DJI*. Retrieved March 15, 2021, from <https://www.dji.com/id/phantom-3-pro/info>
- Departemen Pemukiman dan Prasarana Wilayah. (2004). *Pedoman Konstruksi dan Bangunan: Pengoperasian Waduk Tunggal*. Pusat Litbang Sumber Daya Air.
- Direktorat Jenderal Sumber Daya Air. (n.d.). *WRDC*. Retrieved May 27, 2021, from <http://pdsda.sda.pu.go.id/>
- DOSITS. (n.d.). *Echosounder – Discovery of Sound in the Sea*. Retrieved March 25, 2021, from <https://dosits.org/galleries/technology-gallery/observing-the-sea-floor/echosounder/>
- Esri. (n.d.-a). *Generate an orthomosaic using the Orthomosaic wizard*. Retrieved March 16, 2021, from <https://pro.arcgis.com/en/pro-app/latest/help/data/imagery/generate-an-orthomosaics-using-the-orthomosaic-wizard.htm>
- Esri. (n.d.-b). *Voronoi diagram*. Esri Support GIS Dictionary. Retrieved January 12, 2022, from <https://support.esri.com/en/other-resources/gis-dictionary/term/5c97bf7d-545f-402f-aba8-bd452d9dac4f>
- Esri. (2011). *How Surface Volume (3D Analyst) works*. ArcGIS Desktop 9.3 Help.



[http://webhelp.esri.com/arcgisdesktop/9.3/index.cfm?TopicName=How Surface Volume %283D Analyst%29 works](http://webhelp.esri.com/arcgisdesktop/9.3/index.cfm?TopicName=How%20Surface%20Volume%20Analyst%20works)

Esri. (2020a). *How inverse distance weighted interpolation works*. ArcGIS Pro Help. <https://pro.arcgis.com/en/pro-app/latest/help/analysis/geostatistical-analyst/how-inverse-distance-weighted-interpolation-works.htm>

Esri. (2020b). *Storage Capacity (Spatial Analyst)*. ArcGIS Pro Tool Reference. <https://pro.arcgis.com/en/pro-app/latest/tool-reference/spatial-analyst/storage-capacity.htm>

ESRI. (2020). *Parameter optimization*. ArcGIS Pro Help. <https://pro.arcgis.com/en/pro-app/latest/help/analysis/geostatistical-analyst/parameter-optimization.htm>

European Global Navigation Satellite Systems Agency. (2020, November 19). *What is GNSS?* <https://www.gsa.europa.eu/european-gnss/what-gnss>

Fahlstrom, P. G., & Gleason, T. J. (2012). *Introduction to UAV Systems, Fourth Edition*. John Wiley & Sons, Ltd. <https://doi.org/10.1002/9781118396780>

García, J., & Molina, J. M. (2020). Simulation in real conditions of navigation and obstacle avoidance with PX4/Gazebo platform. *Personal and Ubiquitous Computing*. <https://doi.org/10.1007/s00779-019-01356-4>

Gunther, T. (n.d.). *Triangulation*. National Geographic. Retrieved March 30, 2021, from <https://www.nationalgeographic.org/photo/triangulation-sized/>

Hardy, R. L. (1971). Multiquadric equations of topography and other irregular surfaces. *Journal of Geophysical Research*, 76(8), 1905–1915. <https://doi.org/10.1029/JB076i008p01905>

Hengl, T., & Evans, I. S. (2009). *Chapter 2 Mathematical and Digital Models of the Land Surface* (pp. 31–63). [https://doi.org/10.1016/S0166-2481\(08\)00002-0](https://doi.org/10.1016/S0166-2481(08)00002-0)

Hengl, Tomislav. (2006). Finding the right pixel size. *Computers and Geosciences*, 32(9), 1283–1298. <https://doi.org/10.1016/j.cageo.2005.11.008>



- IHO. (2005). *Manual On Hydrography*. International Hydrographic Bureau.
- IHO. (2020). *Guidance on Crowdsourced Bathymetry (2.0.3)*. International Hydrographic Organization. https://www.iho.int/iho_pubs/draft_pubs/CSB-Guidance_Document-Ed1.0.0.pdf
- Iosa, M., Picerno, P., Paolucci, S., & Morone, G. (2016). Wearable inertial sensors for human movement analysis. *Expert Review of Medical Devices*, 13(7), 641–659. <https://doi.org/10.1080/17434440.2016.1198694>
- Jatmiko, A. S. P. (2014). *Integrasi Data Foto Udara Dan Batimetri Menggunakan Wahana Tanpa Awak untuk Keperluan Penentuan Batas Wilayah Menggunakan Informasi Tiga Dimensi* [Institut Teknologi Bandung]. <https://digilib.itb.ac.id/index.php/gdl/view/20743/>
- Jin, S., Cardellach, E., & Xie, F. (2014). GNSS Remote Sensing: Theory, Methods and Applications. In *Tijdschrift voor Urologie* (Vol. 2014, Issue 1). Springer Netherlands. <https://doi.org/10.1186/1687-6180-2014-158>
- Kang, J. M. (2008). Voronoi Diagram. In *Encyclopedia of GIS* (pp. 1232–1235). Springer US. https://doi.org/10.1007/978-0-387-35973-1_1461
- Lenzerini, M. (2002). Data Integration: A Theoretical Perspective. *Proceedings of the ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems*, 233–246.
- Linder, W. (2006). *Digital Photogrammetry* (2nd ed.). Springer. <https://doi.org/10.1007/3-540-29153-9>
- Liu, H., & Wu, C. (2020). Developing a scene-based triangulated irregular network (TIN) technique for individual tree crown reconstruction with LiDAR data. *Forests*, 11(1), 1–18. <https://doi.org/10.3390/f11010028>
- Mathisen, S. G., Leira, F. S., Helgesen, H. H., Gryte, K., & Johansen, T. A. (2020). Autonomous ballistic airdrop of objects from a small fixed-wing unmanned aerial vehicle. *Autonomous Robots*, 44(5), 859–875. <https://doi.org/10.1007/s10514-020-09902-3>



- Menteri Pekerjaan Umum dan Perumahan Rakyat No. 27 Tahun 2015 Tentang Bendungan (Permen PUPR Nomor 27/PRT/M/2015). Berita Negara Republik Indonesia Tahun 2015, No. 771. Kementrian Pekerjaan Umum. Jakarta.
- Merriam-Webster. (n.d.). *Morphometry*. Merriam-Webster.Com Dictionary. Retrieved May 20, 2021, from <https://www.merriam-webster.com/dictionary/morphometry>
- Micallef, A. (2011). Marine Geomorphology. Geomorphological Mapping and the Study of Submarine Landslides. In *Developments in Earth Surface Processes* (Vol. 15, pp. 377–395). Elsevier B.V. <https://doi.org/10.1016/B978-0-444-53446-0.00013-6>
- Natural Resources Canada. (2015, November 19). *Passive vs. Active Sensing*. Maps, Tools and Publications. <https://www.nrcan.gc.ca/maps-tools-publications/satellite-imagery-air-photos/remote-sensing-tutorials/introduction/passive-vs-active-sensing/14639>
- NOAA. (2015, July 30). *What does the age of the survey mean for nautical charts?* <https://noaacoastsurvey.wordpress.com/2015/07/30/what-does-the-age-of-the-survey-mean-for-nautical-charts/>
- Paine, D. P., & Kiser, J. D. (2012). *Aerial Photography and Image Interpretation* (3rd ed.). John Wiley & Sons, Inc. <https://doi.org/10.1002/9781118110997>
- Pix4D. (2019, December 4). *Ground control points: why are they important?* <https://www.pix4d.com/blog/why-ground-control-points-important>
- Purwanto, T. H. (2017). Pemanfaatan Foto Udara Format Kecil untuk Ekstraksi Digital Elevation Model dengan Metode Stereoplotting. *Majalah Geografi Indonesia*, 31(1), 73. <https://doi.org/10.22146/mgi.24246>
- Raharjo, P. (2008). *Simulasi Sedimentasi dan Analisis Umur Waduk Studi Kasus Waduk Saguling*. Institut Teknologi Bandung.
- Rajasekar, N. (2017, May 3). *Introducing the Storage Capacity tool*. ArcGIS Blog. <https://www.esri.com/arcgis->



[blog/products/analytics/analytics/introducing-the-storage-capacity-tool/](#)

Remondino, F., Barazzetti, L., Nex, F., Scaioni, M., & Sarazzi, D. (2011). UAV Photogrammetry for Mapping and 3D Modeling – Current Status and Future Perspectives. *ISPRS - International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, XXXVIII(September), 14–16.
<https://doi.org/10.5194/isprsarchives-XXXVIII-1-C22-25-2011>

Saadatseresht, M., Hashempour, A. H., & Hasanlou, M. (2015). UAV photogrammetry: A practical solution for challenging mapping projects. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 40(1W5), 619–623.
<https://doi.org/10.5194/isprsarchives-XL-1-W5-619-2015>

Sardemann, H., Eltner, A., & Maas, H.-G. (2020). *Acquisition of Geometrical Data of Small Rivers with an Unmanned Water Vehicle*. XLII(June 2018), 4–7.

Schofield, W., & Breach, M. (2007). *Engineering Surveying* (6th ed.). Elsevier.
<https://www.taylorfrancis.com/books/9781315147048>

Shepard, D. (1968). Two- dimensional interpolation function for irregularly-spaced data. *Proc 23rd Nat Conf*, 517–524.

Šiljeg, A., Lozić, S., & Šiljeg, S. (2015). A comparison of interpolation methods on the basis of data obtained from a bathymetric survey of Lake Vrana, Croatia. *Hydrology and Earth System Sciences*, 19(8), 3653–3666.
<https://doi.org/10.5194/hess-19-3653-2015>

Simarmata, H. L. (2005). *Prinsip-Prinsip Statistik Untuk Teknik dan Sains*. Erlangga.

Siswanto, A. Y. (2008). *Sebaran Nilai Target Strength dan Densitas Ikan Demersal di Perairan Laut Jawa pada Bulan Mei* [Institut Pertanian Bogor].
<https://repository.ipb.ac.id/handle/123456789/50421>

Sutanto. (1994). *Penginderaan Jauh Jilid 2*. Gadjah Mada University Press.



- Tanaka, Y. (2018). Active Vibration Compensator on Moving Vessel by Hydraulic Parallel Mechanism. *International Journal of Hydromechatronics*, 1(3), 350. <https://doi.org/10.1504/IJHM.2018.094887>
- Triggs, B., McLauchlan, P. F., Hartley, R. I., & Fitzgibbon, A. W. (2000). Bundle Adjustment - A Modern Synthesis. *Lecture Notes in Computer Science (Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 1883, 298–372. https://doi.org/10.1007/3-540-44480-7_21
- Untoro, M. A. S. (2019). *Perbandingan Ketelitian Geometrik Model Elevasi Digital Hasil Ground Filtering: dan Klasifikasi Informasi Tematik*. Universitas Gadjah Mada.
- Webster, R., & Oliver, M. A. (2007). *Geostatistics for Environmental Scientists* (2nd ed., Vol. 1, Issue 2). John Wiley & Sons, Ltd. <https://doi.org/10.1002/9780470517277>
- Weil, J. (1986). The synthesis of cloth objects. *Proceedings of the 13th Annual Conference on Computer Graphics and Interactive Techniques, SIGGRAPH 1986*, 20(4), 49–54. <https://doi.org/10.1145/15922.15891>
- Weng, Q. (2018). High Spatial Resolution Remote Sensing. In Y. He & Q. Weng (Eds.), *High Spatial Resolution Remote Sensing*. CRC Press. <https://doi.org/10.1201/9780429470196>
- Wetzel, R. G. (2001). *Limnology: Lake and River Ecosystems* (3rd ed.). Elsevier. <https://www.elsevier.com/books/limnology/wetzel/978-0-08-057439-4>
- Willmott, C. J., Matsuura, K., & Robeson, S. M. (2009). Ambiguities inherent in sums-of-squares-based error statistics. *Atmospheric Environment*, 43(3), 749–752. <https://doi.org/10.1016/j.atmosenv.2008.10.005>
- Wolf, P. R., Dewitt, B. A., & Wilkinson, B. E. (2014). Elements of Photogrammetry With Applications in GIS. In *McGraw-Hill's AccessEngineering* (4th ed., Vol. 3). McGraw-Hill Education.
- Wulandari, D. A., Darsono, S., & Kurniani, D. (2019). Optimization of



Gunungrowo Reservoir operation. *MATEC Web of Conferences*, 270, 04016.
<https://doi.org/10.1051/mateconf/201927004016>

Yoo, C., Shin, H., & Lee, J. (2020). Evaluation of the storage effect considering possible redevelopment options of the peace dam in South Korea. *Water (Switzerland)*, 12(6), 1–17. <https://doi.org/10.3390/W12061674>

Zhang, W., Qi, J., Wan, P., & Wang, H. (2016). *CSF (plugin)*.
CloudCompareWiki.

[https://www.cloudcompare.org/doc/wiki/index.php?title=CSF_\(plugin\)](https://www.cloudcompare.org/doc/wiki/index.php?title=CSF_(plugin))

Zhang, W., Qi, J., Wan, P., Wang, H., Xie, D., Wang, X., & Yan, G. (2016). An easy-to-use airborne LiDAR data filtering method based on cloth simulation. *Remote Sensing*, 8(6), 1–22. <https://doi.org/10.3390/rs8060501>