

DAFTAR PUSTAKA

- Abbas, A., Zhan Z., Zheng H., Alami, M.M., Alrefaei, A.F., Abbas, Q., Naqvi, S.A.H, Rao, M.J., Mosa, W.F.A, Abbas, Q., Hussain A., Hassan, M.Z., & Zhou L.. 2023. Drones in Plant Disease Assessment, Efficient Monitoring, and Detection: A Way Forward to Smart Agriculture. *Agronomy* 13, no. 6: 1524. <https://doi.org/10.3390/agronomy13061524>
- Abdullah, S, & Salih, Y. 2010. Mycobiota Associated with Sugarcane (*Saccharum officinarum* L.) Cultivars in Iraq. *Jordan Journal of Biological Sciences*. 3. 193-202.
- Afif, R. M., & Octova, A. 2019. Estimasi sumberdaya bijih besi menggunakan metode ordinary kriging di PT. Gamindra Mitra Kesuma, Kec. Sungai Beremas, Kab. Pasaman Barat, Sumatera Barat. *Jurnal Bina Tambang*, 4(3), 368–378.
- Afifah N., 2018. Kejadian Luka Bekas Pengambilan Mata Tunas Tebu (*Saccharum officinarum* L.) dengan Metode Budchip. Skripsi. Universitas Brawijaya
- Airouche, M., Bentabet, L. & Zelmat, M., 2009. Image Segmentation Using Active Contour Model. *Proceedings of the World Congress on Engineering*, 1(5), pp.1-5.
- Akram T., S.R. Naqvi, S.A. Haider, M. Kamran. 2017. Towards real-time crops surveillance for disease classification: exploiting parallelism in computer vision, *Computers & Electrical Engineering*, Volume 59, hal. 15-26, ISSN 0045-7906, <https://doi.org/10.1016/j.compeleceng.2017.02.020>.
- Al-amri, S.S., N.V. Kalyankar, D. Khamitkar., 2010. Image Segmentation by Using Threshold Techniques. *Journal of Computing*, 2(5), pp.83-86.
- Alfa, M.R. 2021. Pola Distribusi Penyakit Kresek Pada Pertanaman Padi Di Lahan Dengan Tingkat Keasaman Berbeda Berbasis Citra Foto Udara. Skripsi. UPN "Veteran" Jawa Timur
- Alexopoulos, C.J. 1964. *Introductory Mycology*. Second Ed. New York : John Willey & Sons. 613 hal.
- Ali, M.M., N.A. Bachik, N.A. Muhadi, T.N.T. Yusof, C. Gomes. Non-destructive techniques of detecting plant diseases: A review. *Physiological and Molecular Plant Pathology* 108:101426 <https://doi.org/10.1016/j.pmpp.2019.101426>
- Amara, K., H., Nirwanto, W.S., Harijani, L., Imanadi. 2020. Model Perkembangan Penyakit Bulai pada Berbagai Varietas di Kabupaten Mojokerto. *Berkala Ilmiah Agroteknologi Plumula*. 8(1)
- Amelia, R., Guskarnali, G., Ahmad, R. A., & Ismartika, Z. K. 2020. Pendekatan semivariogram anisotropik dalam metode ordinary kriging (OK) terhadap pola penyebaran mineral ikutan timah. *Promine*, 8(1), 34–39. <https://doi.org/10.33019/promine.v8i1.1828>
- Amine, K., M.H. Farida. 2012. An Active Contour for Range Image Segmentation. *Internasional Journal SIPIJ*, 3(3).
- Andaka, Ganjar. 2011. Hidrolisis Ampas Tebu menjadi Furfural dengan Katalisator Asam Sulfat, *Jurnal Teknologi*, Volume 4 Nomor 2, p.180-188.

- Andika, I.M.P.C., I.M.A.S. Wijaya, I.B.P. Gunadnya. 2019. Pendugaan Intensitas Serangan Penyakit Blas pada Tanaman Padi Melalui Pendekatan Citra NDVI (Normalized Difference Vegetation Index). *Jurnal Beta(Biosistem dan Teknik Pertanian* 7(2):287-296
- Bakti, Y.P. 2017. Aplikasi Sistem Pakar Hama dan Penyakit Tanaman Tebu (*Sacharum officinarum*) di Pabrik Gula Djatiroto dengan Metode Forward Chaining Berbasis Web. Skripsi. Universitas Jember.
- Bande, La Ode Santiai, Hadisutrisno, B., Somowiyarjo, S., & Sunarminto, B. H. 2014. Pola agihan dan intensitas penyakit busuk pangkal batang lada di Provinsi Sulawesi Tenggara. *Jurnal Agroteknos*, 4(1), 58–65.
- Bekele, B., Kifelw, H. 2020. Distribution, Virulence and Diversity of *Leptosphaeria maculans* and *Leptosphaeria biglobosa* at Major Brassica Growing. *Journal of Plant Pathology & Microbiology* 11(12):1-6 <http://doi.org/10.35248/2157-7471.20.12.230>
- Belan, L. L., Pozza, E. A., Alves, M. de C., & Freitas, M. L. de O. 2018. Geostatistical analysis of bacterial blight in coffee tree seedlings in the nursery. *Summa Phytopathologica*, 44(4), 317–325. <https://doi.org/10.1590/0100-5405/179559>
- Bhoyar, K. & Kakde, O., 2010. Color Image Segmenatation Based on JND Color Histogram. *Inaternational Journal of Image processing (IJIP)*, 3(6), pp.283-92.
- Bourouis, S., K. Hamrouni. 2011. Deformable Model-Based Segmentation of Brain Tumor from MR Images. Shanghai: InTech.
- Brox, T., J. Weickert. 2004. Level Set Based Image Segementation wtih Multiple Regions. Springer LNCS 3175 in *Pattern Recognition*, pp.415- 23.
- Bryanco, B., Yulhendra, D., & Octova, A. 2018. Estimasi sumberdaya batubara menggunakan metode penampang dan geostatistik pada area DDU Blok Timur Site. *Jurnal Bina Tambang*, 3(4), 1703–1713.
- Casagli, N., S. Morelli, W. Frodella, E. Intrieri, dan V. Tofani. 2018. Ground-Based Remote Sensing Techniques for Landslides Mapping, Monitoring and Early Warning. Dalam *Landslide Dynamics: ISDR-ICL Landslide Interactive Teaching Tools*. Cham: Springer International Publishing.
- Castleman, R.K., 1996. In *Digital Image Processing*. New Jersey. p.81.
- Cesati, V.D., & De Notaris, G.. 1863. Schema di classificazione degle sferiacei italice aschigeri piu' o meno appartenenti al genere Sphaeria nell'antico significato attribuitoglide Persono. *Commentario della Società Crittogamologica Italiana*. 1(4):177-420
- Chitade, A.Z., S.K. Katiyar. 2010. Colour Based Image Segementation Using K-Means Clustering. *International Journal of Engineering Science and Technology*, 2(10), pp.5319-25.
- Cressendo, H., & Gusman, M. 2020. Pemodelan dan perhitungan volume akuifer dengan menggunakan metode indicator kriging di Kec. Koto Tengah dan Kec. Pauh Kota. *Jurnal Bina Tambang*, 5(1), 131–142.

- Dewi, C., Sari, P., Lepong, P., & Natalisanto, A. I. 2019. Analisis penyebaran sifat fisis batuan reservoir dengan metode geostatistik (Studi Kasus : Lapangan Boonsville, Texas, Amerika Serikat). *Geosains Kutai Basin*, 2(1), 1–7.
- Echavez-Badel, R. 1990. Incidence of ring spot disease in sugarcane. *Journal of Agriculture University of Puerto-Rico* 74(4): 457–459.
- Glatzer, E. & Müller, W.G. 2004. *Residual diagnostics for variogram fitting.* , 30(8), 859–866. <http://doi.org/10.1016/j.cageo.2004.06.008>
- Fahmi, L.P.Z. 2019. Pemanfaatan Foto Udara Format Kecil (FUFK) Inframerah Berwarna Untuk Identifikasi Usia Tanam Dan Kemasakan Tanaman Tebu (*Saccharum Officinarum*) Di Sebagian Kecamatan Gamping, Godean Dan Prambanan. Skripsi. Universitas Gadjah Mada.
- Faisal, F. & Rizal, J. 2012. Kajian Pemilihan Model Semivariogram Terbaik Pada Data Spasial (Studi Kasus : Data Ketebalan Batubara Pada Lapangan Eksplorasi X). *J. Gradien* 8(1) : 756-762
- Faisal, F. 2013. Metode ordinary kriging blok pada penaksiran ketebalan cadangan batubara (Studi Kasus : Data Ketebalan Batubara pada Lapangan Eksplorasi X). Kumpulan Makalah Seminar Semirata Fakultas MIPA Universitas Lampung, 1(1), 203–209.
- Faisal, F., & Rizal, J. 2012. Kajian pemilihan model semivariogram terbaik pada data spasial (Studi Kasus : Data Ketebalan Batubara Pada Lapangan Eksplorasi X). *Gradien*, 8(1), 756–762.
- Fauzi, A. R. 2018. Interpolasi spasial cokriging menggunakan semivariogram anisotropik exponential, stable exponential dan gaussian pada kadar NO₂ dan SO₂ di Jawa Timur (Issue 2). Thesis. Universitas Brawijaya.
- Gopi, R., Mahendran, B., Chandran, K. Nisha M. & Viswanathan R. 2021. Plant and Weather Factors on Resistance of *Saccharum officinarum* Germplasm Against Ring Spot Disease. *Sugar Tech* **23** : 720–729. <https://doi.org/10.1007/s12355-020-00943-7>
- Gunawan A.A.A. 2020. ESTIMASI KANDUNGAN KLOOROFIL PADA TANAMAN TEBU (*Saccharum officinarum* L.) MENGGUNAKAN METODE GROUND BASED REMOTE SENSING (GBRS) DAN LOW ALTITUDE REMOTE SENSING (LARS). Skripsi. Universitas Jember. 60 Hal.
- Guo, F., Chen, X., Lu, M., Yang, L., Wang, S., & Wu, B. M. 2018. Spatial analysis of rice blast in china at three different scales. *Phytopathology*, 108, 1276–1286. <https://doi.org/10.1094/PHYTO-01-18-0006-R>
- Guskarnali. 2016. Metode point kriging untuk estimasi sumberdaya bijih besi (Fe) menggunakan data assay (3D) pada Daerah Tanjung Buli Kabupaten Halmahera Timur. *Promine Journal*, 4 (2)(December), 13–20.
- Hafeez A., M.A. Husain, S.P. Singh, A. Chauhan, M.T. Khan, N. Kumar, A. Chauhan, S.K. Soni. 2022. Implementation of drone technology for farm monitoring & pesticide spraying: A review, *Information Processing in Agriculture*, ISSN 2214-3173, <https://doi.org/10.1016/j.inpa.2022.02.002>.
- Haikal, M. R., Nirwanto, H., & Mujoko, T. (2022). KAJIAN POLA SEBARAN PENYAKIT BULAI DENGAN ANALISIS CITRA DRONE. *Jurnal AGROHITA: Jurnal Agroteknologi Fakultas Pertanian Universitas Muhammadiyah Tapanuli Selatan*, 7(2), 242-248. <http://dx.doi.org/10.31604/jap.v7i2.6105>

- Halder, A., N. Pathak., 2011. An Evolutionary Dynamic Clustering Based Colour Image Segmentation. *International Journal of Image Processing (IJIP)*, 4(6), pp.549-56.
- Hosseini, E., Gholami, R., & Hajivand, F. 2019. Geostatistical modeling and spatial distribution analysis of porosity and permeability in the Shurijeh-B reservoir of Khangiran gas field in Iran. *Journal of Petroleum Exploration and Production Technology*, 9(2), 1051–1073. <https://doi.org/10.1007/s13202-018-0587-4>
- Huang, Y.-K., W.-F. Li, R.-Y. Zhang, and X.-Y. Wang. 2018. Color illustration of diagnosis and control for modern sugarcane diseases, pests, and weeds. NewYork: China Agriculture Press and Springer nature Singapore Pte Ltd.
- Ikhsan, D. N., & Octova, A. 2019. Estimasi sumberdaya batubara dengan menggunakan metode ordinary kriging pada Pit X di PT Selamat Jaya Job Site Puteri Hijau Kecamatan Puteri Hijau Kabupaten Bengkulu Utara Provinsi Bengkulu. *Jurnal Bina Tambang*, 4(3), 119–132.
- Indrawan, A. D., Radiyanto, I., Nirwanto, H., & Wuryantini, S. (2020). GEOSPATIAL STUDY ON THE EXISTENCE OF CITRUS PEST *Myllocerus* sp. (Coleoptera: Curculionidae) IN DAU SUBDISTRICT, MALANG DISTRICT. *International Conference on Agriculture*, 210-218. Retrieved from <http://ica.upnjatim.ac.id/index.php/ica/article/view/56>
- Indrawanto, C., Purwono, Siswanto, M. Syakir, dan W. Rumini. 2010. *Budidaya dan Pasca Panen Tebu*. ESKA Media. Jakarta. 44 hlm.
- Indrawati, I. 2018. Penyakit Noda Cincin Pada Tanaman Tebu *Saccharum officinarum* L. Diunduh dari <https://puslitsukosariptn11.com/wp-content/uploads/2018/11/PENYAKIT-NODA-CINCIN-PADA-TANAMAN-TEBU-Saccharum-officinarum-L..pdf>. Diakses pada 6 Juni 2023
- Irwansyah Edy. 2013. *Sistem Informasi Geografis : Prinsip Dasar dan Pengembangan Aplikasi*. Digibooks Printing and Publishing : Yogyakarta 221 hal.
- Izza S.B.A.N., Nirwanto H., Wiyatiningsih S. 2023. Application of Geostatistics on the Distribution Pattern of Rice Plant Bacterial Leaf Blight Disease. *Himalayan Journal of Agriculture* 4(3) : 135-144 <https://doi.org/10.47310/Hja.2023.v04i03.016>
- Jati, Wiwit & Abadi, Abdul & Qurata Aini, Luqman & Djauhari, Syamsuddin. 2022. Screening of *Trichoderma* spp. isolates based on antagonism and chitinolytic index against *Xylaria* sp.. *Jurnal Hama dan Penyakit Tumbuhan Tropika*. 22. 55-67. <http://doi.org/10.23960/jhptt.12255-67>
- Jaya, I. N. S. 2010. *Analisis Citra Digital: Perspektif Penginderaan Jauh Untuk Pengelolaan Sumberdaya Alam*. Institut Pertanian Bogor.
- Kass, M., A. Witkin, D. Terzopoulos. 1987. Snakes : Active Contour Models. *International Journal of Computer Vision*, 1(4), pp.321-31.
- Kurniantoro, A., Hermantoro, A.I., Uktoro. 2023. Pemanfaatan Drone Terintegrasi SIG untuk Pemetaan Tanaman Jagung. *AE Innovation* 1(1) : 47 – 60
- Kurniawan, A. R., & Amri, N. A. 2019. Estimasi sumberdaya emas menggunakan metode ordinary kriging pada Pit X, PT. Indo Muro Kencana, Kec. Tanah

- Siang, Kab. Prosiding Nasional Rekayasa Teknologi Industri Dan Informasi XIV Tahun 2019 (ReTII), 59–69.
- Li, C., C. Kao, J.C. Gore, Z. Ding. 2007. Implicit Active Contours Driven by Local Binary Fitting Energy. *IEEE Conference on Computer Vision and Pattern Recognition*, 17, pp.1940-49.
- Li, C., C. Xu, C Gui, M.F. Fox. 2005. Level Set Evolution Without Re-initialization : A New Variational Formulation. *IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, 5.
- Lubis M.Z., O. Gustin, W. Anurogo, H. Kausarian, K. Anggraini, & A. Hanafi. 2017. Penerapan Teknologi Penginderaan Jauh Di Bidang Pesisir Dan Lautan. *Oseana* 42(3) : 56-64 K.
- Magarey, R. 2022. Field Guide : Disease of Australian Sugarcane. Sugar Research Australia Limited : Australia. ISBN : 978-0-949678-43-0 114p.
- McDonald, S.C., Buck, J. & Li, Z. Automated, image-based disease measurement for phenotyping resistance to soybean frogeye leaf spot. *Plant Methods* **18**, 103 (2022). <https://doi.org/10.1186/s13007-022-00934-7>
- Mentari, M., R.V.H. Ginardi & C. Fatichah. 2015. Segmentasi Penyakit pada Citra Daun Tebu Menggunakan Fuzzy C Means-Support Vector Machine dengan Fitur Warna a*. *JUTI : Jurnal Ilmiah Teknologi Informasi* 13(1) : 45-52
- Mudin, Y., Yansah, A., Efendi, R., & Abdullah. 2019. Estimasi sebaran suseptibilitas batuan permukaan menggunakan geostatistik di Kecamatan Lore Peore (Estimated suseptibility distribution of rock surface using geostatistical in the District of Lore Peore). *Gravitasi*, 15(1), 1–6.
- Nanjundaswamy J.C., Naik S.T., & Nandan M. Efficacy of fungicides, biocontrol agents and botanicals against ring spot disease (*Leptosphaeria sacchari* Van de Brenda) of sugarcane.. *J Pharmacogn Phytochem* 9(4):304-307.
- Ni, K., X. Bresson, T. Chan, S. Esedoglu. 2009. Local Histogram Based Segmentation Using the Wasserstein Distance. *Int J Compt Vis*, pp.97-111.
- Nirwanto, H., M.P. Lestari. 2020. Spatial Distribution Patterns of Fungal Disease in Shallot Crop. *International Conference on Agriculture*, 236-243. Retrieved from <http://ica.upnjatim.ac.id/index.php/ica/article/view/60>
- Patane, P. dan A. Vibhute. 2014. Chlorophyll and nitrogen estimation techniques: a review. *International Journal of Engineering Research and Reviews*. 2(4):33–41.
- Prabowo D.A., D. Abdullah, A. Manik. 2018. Deteksi dan Perhitungan Objek Berdasarkan Warna menggunakan Color Object Tracking. *J. Pseudocode* 5(2)
- Pusdatin Kementan (Pusat Data dan Sistem Informasi Pertanian Kementerian Pertanian), 2020, Buku Outlook Komoditas Perkebunan : Tebu. ISSN : 1907-1507. 73 Hal.
- Putra H., L.B., Prasetyo & N., Santoso. 2016. "MONITORING PERUBAHAN GARIS PANTAI DENGAN CITRA SATELIT DI MUARA GEMBONG BEKASI", *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan (Journal of Natural Resources and Environmental Management)*. Bogor, ID, 6(2), p. 178.

<https://doi.org/10.29244/jpsl.6.2.178>

- Putri, A. D., Sudiarso., dan T. Islami. 2013. Pengaruh Komposisi Media Tanam pada Teknik Budchip Tiga Varietas Tebu (*Saccharum officinarum* L.). Universitas Brawijaya. *Jurnal Produksi Tanaman*. 1(1):16-23
- Radiyanto I., dan K.S.M Julyasih. 2009. Survei dan Evaluasi Musuh Alami Serangga Hama Pada Ekosistem Pertanaman Jeruk (*Citrus* spp.) di Jawa Timur. *J Ilmu Pertanian MAPETA*, Volume 11 Nomor 2 April 2009
- Rathod A.N., B.A. Tanawala, V.H. Shah. 2014. Leaf Disease Detection Using Image Processing and Neural Network. *International Journal of Advance Engineering and Research Development* 1(6):1-10
- Ratnasari, E. K., Ginardi R.V.H., and Fatichah, C. 2015. Pengenalan Penyakit Noda Pada Citra Daun Tebu Berdasarkan Ciri Tekstur Fractal Dimension Co-Occurrence Matrix dan $L^*a^*b^*$ Color Moments. *Jurnal Ilmiah Teknologi Informasi*. 12 (2): 27-36. <https://doi.org/10.1109/ICTS.2014.7010564>
- Remy, N., Boucher, A., & Wu, J. (2009). *Applied Geostatistics with SGeMS: A User's Guide*. Cambridge: Cambridge University Press. doi:10.1017/CBO9781139150019
- Romaji, E. O., Latra, I. N., & Sutikno. 2016. Estimasi produksi minyak dan gas bumi di Kalimantan Utara. *Jurnal Sains Dan Seni ITS*, 5(2), 426–431.
- Rozalia, G., Yasin, H., & Ispriyanti, D. 2019. Penerapan metode ordinary kriging pada pendugaan kadar NO₂ di udara (Studi kasus : pencemaran udara di kota semarang). *JURNAL GAUSSIAN*, 5(23), 113–121.
- Senthilkumaran, N. R. Rajesh. 2009. Edge Detection Techniques for Image Segmentation - A Survey of Soft Computing Approaches. *International Journal of Recent Trends in Engineering*, 1(2), pp.250-54.
- Setiawan, I., Dewanta, W., Nugroho, H., & Supriyono, H. (2019). Pengolah Citra Dengan Metode Thresholding Dengan Matlab R2014A. *JURNAL MEDIA INFOTAMA*, 15(2). <https://doi.org/10.37676/jmi.v15i2.868>
- Setiawan, J., H. Nirwanto, W. Windriyanti. 2023. Estimation of Yield Damage Due to Whitefly Pest Attack on Cayenne Pepper Plants Based on Drone Imagery. *Hmlyn J Agr* 4(3) : 1-6
- Shukri, M., Izzuddin, M. A., Hefni, M., & Idris, A. S. 2020. Geostatistics of oil palm trees affected by ganoderma disease in low and high planting density. *Earth and Environmental Science*, 540. <https://doi.org/10.1088/1755-1315/540/1/012065>
- Siregar, Z. A. & Syahputra, S. T.. 2017. Keanekaragaman Hama dan Penyakit pada Tanaman Tebu (*Saccharum officinarum* L.). Kolokium Penunjang dan Pendukung. Program Studi Agroekoteknologi. Fakultas Pertanian. Universitas Sumatera Utara.
- Sowmya B.J., C. Shetty, S. Seema, K.G. Srinivasa. 2020. Chapter 7 - Utility system for premature plant disease detection using machine learning, In *Hybrid Computational Intelligence for Pattern Analysis and Understanding*, Hybrid Computational Intelligence, Academic Press, hal 149-172, ISBN 9780128186992, <https://doi.org/10.1016/B978-0-12-818699-2.00008-1>.

- Subekti, D., S.H. Hidayat, T.A. Damayanti, P. Purwono. 2020.. Distribution of Sugarcane Major Viruses in Lampung and South Sulawesi. *Jurnal Ilmu Pertanian Indonesia*, 25(1), 60–66. <https://doi.org/10.18343/jipi.25.1.60>
- Sugito, N. T., Soemarto, I., & Hendriatiningsih, S. 2019. Model estimasi nilai tanah menggunakan analisis geostatistika (land value estimation model using analysis geostatistics). *Geomatika*, 25(2), 85–94.
- Suharyanto, S., & Frieyadie, F. (2020). ANALISIS KOMPARASI PERBAIKAN KUALITAS CITRA BAWAH AIR BERBASIS KONTRAS PEMERATAAN HISTOGRAM. *INTI Nusa Mandiri*, 15(1), 95-102. <https://doi.org/10.33480/inti.v15i1.1501>
- Sulistiyanti S.R., F.X.A. Setyawan, M. Komarudin. 2016. Pengolahan Citra : Dasar dan Contoh Penerapannya. Penerbit Teknosain : Yogyakarta 126 hal.
- Suroso A.I., K.B. Seminar, & P. Satriayawan. 2004. Pengembangan Sistem Informasi Geografis untuk Pengelolaan Perkebunan Kelapa Sawit. *J. Manajemen & Agribisnis* Vol. 1 No.1 hal. 33-41
- Sutoyo T. 2009. Teori Pengolahan Citra Digital. Yogyakarta : Penerbit ANDI dan UDINUS Semarang. 256 hal. ISBN 978-979-29-0974-6
- Thenmozhi and U. S. Reddy, 2017. Image processing techniques for insect shape detection in field crops. *International Conference on Inventive Computing and Informatics (ICICI)*, Coimbatore, India, 2017, pp. 699-704, doi: 10.1109/ICICI.2017.8365226.
- Vashist, P., K. Hema. 2013. Watershed Transform on Image Segmentation and Data Classification. *International Journal of Science and Tehcnology (IJST)*, 2(1), pp.112-21.
- Wahyudi, A. S., & Ispriyanti, D. 2016. Metode robust kriging untuk mengestimasi data spasial berpencilan (Studi Kasus: Pencemaran Udara Gas NO 2 di Kota Semarang). *Jurnal Gaussian*, 5(3), 321–330. <http://ejournal-s1.undip.ac.id/index.php/gaussian>
- Wang, Y., G.W. Wei, S. Yang. 2012. Selective Extraction of Entangled Textures via Adaptive PDE Transform. Hindawi Publishing Corporation *International Journal of Biomedical Imaging*, 2012.
- Xiang, H. dan L. Tian. 2011. Development of a low-cost agricultural remote sensing system based on an autonomous unmanned aerial vehicle (uav). *Biosystems Engineering*. 108(2):174–190.
- Zarj, Z. & Rahnema, Kamran & Nasrollanejad, Saeed & Yamchi, Ahad. (2017). Morphological and molecular identification of *Leptosphaeria maculans* in canola seeds and flowers collected from the North Iran. *Archives of Phytopathology and Plant Protection*. 50. 1-14. <http://doi.org/10.1080/03235408.2017.1339986> .
- Zhao, S., Zhou, Y., Wang, M., Xin, X., & Chen, F. 2014. Thickness, porosity, and permeability prediction: comparative studies and application of the geostatistical modeling in an Oil field. *Environmental Systems Research*, 3(1), 7. <https://doi.org/10.1186/2193-2697-3-7>