DAFTAR PUSTAKA

[1] K. S. J. G. B. W. S. H. C. R. L. E. a. M. C. Danny Hilman Natawidjaja, "Interseismic deformation above the Sunda Megathrust recorded in coral microatolls of the Mentawai islands, West Sumatra," *JOURNAL OF GEOPHYSICAL RESEARCH*, vol. 112, p. 27, 2 Maret 2007.

[2] Badan Meteorologi Klimatologi dan Geofisika (BMKG), "Meteorological Climatological and Geophysical Agency, BMKG," [Online]. Available: http://repogempa.bmkg.go.id/proses_query2.php.

[3] R. G. Little, W. A. Wallace dan T. A. B. a. P. Herabat, "Socio-Technological Systems Integration to Support," *Proceedings of the 40th Hawaii International Conference on System Sciences - 2007*, p. 10, 2007.

[4] H. Bhadauria dan A. S. a. A. Kumar, "Comparison between Various Edge Detection Methods on Satellite Image," *International Journal of Emerging Technology and Advanced Engineering*, vol. 3, no. 6, p. 5, 2013.

[5] D. Kim, "Sobel Operator and Canny Edge Detector," *ECE 480 Fall 2013*, p. 9, 2013.

[6] P. Tiwari, "Edge Detection Algorithms- A Review," *International Journal of Computer Science and Information Technology Research ISSN 2348-120X*, vol. 3, no. 4, p. 12, 2015.

[7] S. a. D. Chandrasekar .G.T, "A Comparison of various Edge Detection Techniques used in Image Processing," *IJCSI International Journal of Computer Science*, vol. 9, no. 5, p. 8, 2012.

[8] N. P. d. E. Y. Raghavender Rao, "Application of Normalized Cross Correlation to Image Registration," *IJRET: International Journal of Research in Engineering and Technology*, vol. 3, no. 5, p. 16, 2014.

[9] P. Paridhi Swaroop and Neelam Sharma, "An Overview of Various Template Matching Methodologies in Image Processing," *International Journal of Computer Applications*, vol. 153, no. 10, p. 7, 2016.

[10] M. B. a. M. Azizi, "Comparison of Mamdani-Type and Sugeno-Type Fuzzy Inference Systems for Fuzzy Real Time Scheduling," *International Journal*

of Applied Engineering Research ISSN 0973-4562, vol. 11, no. 22, p. 5, 2016.

[11] F. C. P. a. C. E. Pereira, "Embedded Image Processing Systems for Automatic Recognition of Cracks using UAVs," *IFAC (International Federation of Automatic Control)* , vol. 16, no. 21, p. 6, 2015.

[12] D. A. a. R. H. Faisal Ashar, "The analysis of tsunami vertical shelter in Padang city," *4th International Conference on Building Resilience*, p. 8, 2014.

[13] Posmetro Padang, "Minimalisir Risiko Bencana, Sumbar Butuh 211 Shelter," Posmetro Padang, 30 9 2015. [Online]. Available: http://posmetropadang.co.id/wp-content/uploads/2015/09/Shelter-atau-bangunan-tempat-evakuasi-sementara-web.jpg. [Diakses 14 5 2018].

[14] E. Davies, Machine Vision (Third Edition), Morgan Kaufmann, 2005.

[15] The University of Auckland, "Gaussian Filtering," New Zealand, 2010.

[16] G. a. Santhanam.T, "Template Matching in Human Body Parts Recognition using Correlation," *Advances in Computational Sciences and Technology*, vol. 10, no. 1, p. 14, 2017.

[17] M. Khalil, "Quick Techniques for Template-Matching-Based Cross-Correlation," *World Applied Sciences*, p. 7, 2015.

[18] G. C. a. T. T. Pham, Introduction to Fuzzy Sets, Fuzzy Logic, and Fuzzy Control System, New York: CRC Press, 2001.

[19] R. Munir, "Pengantar Logika Fuzzy," dalam *Bahan Kuliah IF4058 Topik Khusus IF*, Bandung, Teknik Informatika – STEI ITB, 2016, p. 36.

[20] R. Munir, "Sistem Inferensi Fuzzy," dalam *Bahan Kuliah IF4058 Topik Khusus IF*, Bandung, Teknik Informatika – STEI ITB, 2016, p. 56.

[21] M. I. a. J. Laras Purwati Ayuningtias, "ANALISA PERBANDINGAN LOGIC FUZZY METODE TSUKAMOTO, SUGENO, DAN MAMDANI (STUDI KASUS : PREDIKSI JUMLAH PENDAFTAR MAHASISWA BARU FAKULTAS SAINS DAN TEKNOLOGI UNIVERSITAS ISLAM NEGERI SUNAN GUNUNG DJATI BANDUNG)," *JURNAL TEKNIK INFORMATIKA*, vol. 10, no. 1, p. 9, 2017.

[22] J. P. a. H. P. Kirit Vanani, "A Survey: Embedded World Around MQTT Protocol for IoT Application," *IJSRD-International Journal for Scientific Research & Developmentt,* vol. 4, no. 02, p. 4, 2016.

[23] The Raspberry Pi Foundation, MagPi The Official Raspberry Pi Magazine, London: Liz Upton, 2016.

[24] The Raspberry Pi Foundation, Raspberry Pi 3 Model B, UK: RS Components.

[25] The Raspberry Pi Foundation, The Official Raspberry Pi Project Book, London: Liz Upton.

[26] M. Beyeler, OpenCV with Python Blueprints, Birmingham B3 2PB, UK.: Packt Publishing Ltd. , 2015.

[27] Digi International,Inc, "farnell," [Online]. Available: http://www.farnell.com/datasheets/27606.pdf. [Diakses 24 Maret 2018].

[28] A. Nugroho, Mengembangkan Aplikasi Basis Data Menggunakan C# dan SQL Server, Yogyakarta: Andi, 2010.