

## DAFTAR PUSTAKA

- [1] Sumaryati, “Polusi udara di kawasan cekungan Bandung,” *Berita Dirgantara*, vol. 12, no. 3, pp. 83-89, 2011.
- [2] Peraturan Pemerintah Republik Indonesia. (1999). *Peraturan Pemerintah Republik Indonesia Nomor 41 Tahun 1999 Tentang Pengendalian Pencemaran Udara*.
- [3] H.C. Ong., T.M.I. Mahlia, and H.H. Masjuki, “A review on emissions and mitigation strategies for road transport in Malaysia,” *Renewable and Sustainable Energy Reviews*, vol. 15, no. 8, pp. 3516-3522, 2011. Doi: 10.1016/j.rser.2011.05.006.
- [4] L.I. Majid, I. Chandra, dan A.R.I. Utami, “Observasi lapangan mikro-partikel di atmosfer menggunakan Nanosampler pada cekungan udara Bandung Raya”. *e-Proceeding of Engineering*, vol. 6, no.1, pp. 1149-1156, 2019.
- [5] K. N. Genikomsakis, N.-F. Galatoulas, P.I. Dallas, L.M.C. Ibarra, D. Margaritis, and C.S. Ioakimidis, “Development and on-field testing of low-cost portable system for monitoring PM<sub>2.5</sub> concentrations,” *Sensors*, vol. 18, no. 4, pp. 1-16, 2018. Doi: 10.3390/s18041056.
- [6] H. Mayer, “Air pollution in cities,” *Atmospheric Environment*, vol. 33, no. 24-25, pp. 4029–4037, 1999. doi:10.1016/s1352-2310(99)00144-2
- [7] Jupri and A. Mulyadi, “Suburban zoning of Bandung Raya area,” *Jurnal Pendidikan Geografi*, vol. 17, pp. 105-116, Doi: 10.17509/gea.v17i2.6888.
- [8] Yusrianti. “Studi Literatur Tentang Pencemaran Udara Akibat Aktivitas Kendaraan Bermotor Di Jalan Kota Surabaya,” *Jurnal Teknik Lingkungan*, vol. 1, no. 1, pp. 11-20, 2015. doi: 10.29080/alard.v1i1.29
- [9] X. Feng and S. Wang, “Influence of different weather events on concentrations of particulate matter with different sizes in Lanzhou, China,” *Journal of Environmental Sciences*, vol. 24, no.4, pp. 665–674, 2012. doi:10.1016/s1001-0742(11)60807-3
- [10] T. Samiaji, “Gas CO<sub>2</sub> Di Wilayah Indoneisa,” *Berita Dirgantara*, vol.12, no. 2, 68-75, 2011.

- [11] P. Kapalo, L. Mečiarová, S. Vilčeková, E.K. Burdová, F. Domnita, C. Bacotiu, and K.E. Péterfi, "Investigation of CO<sub>2</sub> production depending on physical activity of students," *International Journal of Environmental Health Research*, vol. 29, no. 1, pp. 31-44, 2019. doi: 10.1080/09603123.2018.1506570.
- [12] J. H. Seinfeld, *Atmospheric chemistry and physics : from air pollution to climate change* / John H. Seinfeld, Spyros N. Pandis., 2nd ed, 2006.
- [13] J. Hodgkinson, R. Smith, W.O. Ho, J.R. Saffell, and R.P. Tatam., "Non-dispersive infra-red (NDIR) measurement of carbon dioxide at 4.2  $\mu\text{m}$  in a compact and optically efficient sensor," *Sensors and Actuators B: Chemical*, vol. 186, pp. 580-588, 2013. Doi: 10.1016/j.snb.2013.06.006.
- [14] "Sgxsensortech," "A Background to Gas Sensing by Non Dispersive Infrared NDIR," [Online] <https://www.sgxsensortech.com/content/uploads/2014/08/AN1-%E2%80%93-A-Background-to-Gas-Sensing-by-Non-Dispersive-Infrared-NDIR.pdf> [diakses pada 19 Agustus 2019].
- [15] Anderson, G.L., and D.M. Hadden., *The gas monitoring handbook*. New York, Ickus Guides, Avocet Press Inc, 1999.
- [16] "SPEC SENSORS," SPEC Sensor Operation Overview, [Online] <http://www.spec-sensors.com/wp-content/uploads/2016/05/SPEC-Sensor-Operation-Overview.pdf> [diakses pada 19 Agustus 2019].
- [17] F. Vaicdan, I. Chandra, dan A. Suhendi, "Pengamatan konsentrasi massa PM<sub>2.5</sub> di cekungan udara Bandung Raya," *e-Proceeding of Engineering*, 6 (1), 1181-1188. 2019.
- [18] "Arduino," Arduino Uno Rev3, [Online] <https://store.arduino.cc/usa/arduino-uno-rev3> [diakses pada 22 Juli 2019].
- [19] "Learn adafruit," adafruit data logger shield, [Online] <https://learn.adafruit.com/adafruit-data-logger-shield/overview> [diakses pada 25 juli 2019 ].
- [20] "dfrobot," Gravity Analog Infrared CO<sub>2</sub> Sensor for Arduino SKU SEN0219 ([http://wiki.dfrobot.com/Gravity\\_\\_Analog\\_Infrared\\_CO2\\_Sensor\\_For\\_Arduino\\_SKU\\_\\_SEN0219](http://wiki.dfrobot.com/Gravity__Analog_Infrared_CO2_Sensor_For_Arduino_SKU__SEN0219)) (diakses pada 26 Juni 2019).

- [21] "SPEC SENSORS," DGS-RESPIRR-968-041, <http://spec-sensors.com/wp-content/uploads/2017/01/DGS-RESPIRR-968-041.pdf> [diakses pada 26 Juni 2019].
- [22] "dfrobot," SKU:SEN0177, [http://dfrobot.com/wiki/index.php/PM2.5\\_laser\\_dust\\_sensor\\_SKU:SEN0177](http://dfrobot.com/wiki/index.php/PM2.5_laser_dust_sensor_SKU:SEN0177) [diakses pada 26 Juni 2019].
- [23] "sparkfun," DHT22, <http://sparkfun.com/datasheets/Sensors/Temperature/DHT22.pdf> [diakses pada 26 Juni 2019].
- [24] CO2 Meter (Model GCH-2018, Lutron Co. Ltd.) (<http://lutron.id/shop/thermometer/alat-ukur-kualitas-udara-multifungsi-lutron-gch-2018/>) (diakses pada 1 Juli 2019).
- [25] A. Abdurrachman, I. Chandra, dan R. A. Salam, "Rancang Bangun Alat Ukur Konsentrasi Gas CO<sub>2</sub> dan NO<sub>2</sub> untuk Pengamatan Emisi dari Pembakaran Sampah Rumah Tangga," *e-Proceeding of Engineering*, 2019.
- [26] J. F. Franco, J.F. Segura, and I. Mura, "Air pollution alongside bike-paths in Bogotá-Colombia," *Frontiers in Environmental Science*, vol. 4, no.77, 2016. Doi: 10.3389/fenvs.2016.00077.
- [27] G. Wielgosiński, "Pollutant formation in combustion processes, *Advances in Chemical Engineering*," Dr. Zeeshan Nawaz (Ed.), *InTech*, pp. 295-324, 2012. Available from: <http://www.intechopen.com/books/advances-in-chemical-engineering/pollutants-formation-in-combustionprocesses>.
- [28] B. Ojha, N. Illyaskutty, J. Knoblauch, M.R. Balachandran, and H. Kohler, "High-temperature CO / HC gas sensors to optimize firewood combustion in low-power fireplaces," *J. Sens. Sens. Syst*, vol. 6, pp. 237–246, 2017. Doi: 10.5194/jsss-6-237-2017.
- [29] P. Shuk, C. Mcguire and E. Brosha, "Methane gas sensing technologies in combustion: Comprehensive Review," *Sensors & Transducers*, vol. 229, pp. 1-10, 2019.