

DAFTAR PUSTAKA

- [1] Barito Post, “Sinergitas Polri Dan Kemenhub Dalam Kamseltibcar Lantas Serta Penegakkan Hukum Over Dimension Dan Overload (ODOL),” Aug. 2021.
- [2] M. Choirul Anwar, “Parah! Angkutan Barang 81% Melanggar Aturan Beban Maksimum.” Accessed: Nov. 01, 2023. [Online]. Available: <https://www.cnbcindonesia.com/news/20190724182042-4-87360/parah-angkutan-barang-81-melanggar-aturan-beban-maksimum>
- [3] D. S. Setiono and H. Y. Sabrie, “Chain of Responsibility in Land Transportation Associated with Overloading Activities,” *Administrative and Environmental Law Review*, vol. 4, no. 1, pp. 37–48, Mar. 2023, doi: 10.25041/aehr.v4i1.2887.
- [4] Vicki Dwi Purnomo and Kelik Endro Suryono, “Implementation of Supervision of Over Dimension Over Load Violations in Kulon Progo Regency,” *Jurnal Multidisiplin Madani*, vol. 2, no. 12, pp. 4284–4293, Dec. 2022, doi: 10.55927/mudima.v2i12.2034.
- [5] O. : Gusvita, M. Sari, Z. Rusli, and M. Si, “Supervision Of Over Dimension Over Loading Vehicles On The Indragiri Hulu Highway,” *JOM FISIP*, vol. 9, 2022.
- [6] N. L. Darmayanti and A. D. Dwipayana, “Logistics Industry Readiness In Application Policy Over Dimension Overloading (ODOL),” 2023, doi: 10.32832/astonjadro.v12i2.
- [7] H. B. Alexander, “Akibat ODOL, Biaya Pemeliharaan Jalan Rp 43,45 Triliun Per Tahun.” Accessed: Nov. 01, 2023. [Online]. Available: <https://properti.kompas.com/read/2020/02/25/063000621/akibat-odol-biaya-pemeliharaan-jalan-rp-43-45-triliun-per-tahun>
- [8] Gaikindo, “Truk ODOL Sering Jadi Sumber Kecelakaan, juga Menguras Uang Negara.” Accessed: Nov. 01, 2023. [Online]. Available: <https://www.gaikindo.or.id/truk-odol-sering-jadi-sumber-kecelakaan-juga-menguras-uang-negara/>
- [9] T. K. Devi, V. S. Vignesh, V. Shrinithi, and R. Tharen, “Labview Based Trucks Overload Detector And Controlling,” *INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH*, vol. 9, no. 3, pp. 6639–6644, 2020, [Online]. Available: www.ijstr.org
- [10] J. Karya and T. Sipil, “Analisis Pengaruh Kinerja Jembatan Timbang Terhadap Kinerja Perkerasan Dan Umur Rencana Jalan,” Halaman, 2014. [Online]. Available: <http://ejournal-s1.undip.ac.id/index.php/jkts>
- [11] W. Sutrisno, K. Dapa Beti, P. Rera Wowa, and D. Sulistyorini, “ANALISIS DAMPAK BEBAN BERLEBIH (OVERLOAD) KENDARAAN TERHADAP

UMUR RENCANA PERKERASAN JALAN MENGUNAKAN METODE AASHTO (STUDI KASUS: JALAN YOGYAKARTA-PRAMBANAN)," 2022.

- [12] K. S. Anwar, O. Z. Tamin, U. Tarumanegara, J. Letjen, S. Parman, and S. No, "Prosiding Simposium Forum Studi Transportasi antar Perguruan Tinggi ke-23 Institut Teknologi Sumatera (ITERA)," 2020.
- [13] S. Anwar, O. Z. Tamin, and Najid, "Vehicle Influence Simulation Over Dimension Overload on Road Conditions," *Review of International Geographical Education Online*, vol. 11, no. 2, pp. 68–79, Mar. 2021, doi: 10.33403/rigeo.800440.
- [14] R. K. Kinashih, M. D. R. Putri, and Nabila, "Modified Zero Overloading Policy Impact to Pavement's Service Life," *JURNAL EMACS*, vol. 2, no. 2, pp. 41–46, 2020.
- [15] A. Budiharjo, A. Fauzi, - Masrukhan, and B. Prasetyo, "The Relationship between Overloading and Over Dimension of Freight Vehicle," *Int J Adv Sci Eng Inf Technol*, vol. 11, no. 4, pp. 1588–1593, 2021, doi: 10.18517/ijaseit.11.4.11430.
- [16] A. Muliasari, Y. Karyanto, D. Rama Insiyanda, and R. Marlia, "Potensi Kecelakaan Kendaraan Over Dimension/Overloading (ODOL) Pada Area Tikungan Berdasarkan Persentase Berat Muatan dan Kondisi Alinyemen Horizontal Suatu Area Jalan," 2022.
- [17] I. D. Amir, M. W. Nugroho, T. Rijanto, and S. Sumarsono, "Over-Dimension and Overloading Truck Accident Model with Structural Equation Modeling Partial Least Square," *Buletin Profesi Insinyur*, vol. 5, no. 2, pp. 101–206, Dec. 2022, doi: 10.20527/bpi.v5i2.172.
- [18] L. Antono, "Implementasi Kebijakan Odol Dalam Upaya Meningkatkan Sistem Pengawasan Dan Pengendalian Muatan Angkutan Barang," *JURNAL ILMIAH MULTI DISIPLIN INDONESIA*, vol. 1, no. 11, 2022.
- [19] H. D. Kattimani, M. N. R, and S. Munegowda, "Vehicular Overload Detection and Protection," *International Journal of Latest Research in Engineering and Technology (IJLRET)* www.ijlret.com || PP, pp. 119–122, 2017, [Online]. Available: www.ijlret.com
- [20] D. Ahmad Rivaldy, A. Sasmito, and T. Handoyo, "Rancang Bangun Sistem Anti Overloading Pada Kendaraan Barang Berbasis Mikrokontroler Menggunakan Sensor Jarak," *Jurnal Keselamatan Transportasi Jalan (Indonesian Journal of Road Safety)*, vol. 7, no. 2, pp. 12–22, Nov. 2020, doi: 10.46447/ktj.v7i2.169.
- [21] X.-X. Qiao and Y.-D. Zhao, "Vehicle Overload Detection System Based on Magnetoresistance Sensor," *International Conference on Electronics Technology*, 2018.
- [22] M. Z. Rohim, E. Wijayanti, and A. C. Murti, "Design of overloading detection systems on vehicles using adruino," in *Journal of Physics: Conference Series*, IOP Publishing Ltd, Jul. 2021. doi: 10.1088/1742-6596/1943/1/012022.

- [23] S. Dahatonde, N. Jape, Ram. N. Hajare, D. B. Pardeshi, and P. William, “Arduino Based Vehicle Overload Detection System for Prevention of Accidents Using ADC,” in *2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA)*, 2023, pp. 1633–1636. doi: 10.1109/ICIRCA57980.2023.10220821.
- [24] V. N, J. S, and A. M, “The Potential of Arduino for Automobile Overloading Detection,” in *2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC)*, 2023, pp. 1453–1457. doi: 10.1109/ICAAIC56838.2023.10140384.
- [25] R. Ram, A. Ghawghawe, and M. Shahid, “Overload Detection System Using Strain Gauge Load Cell,” *International Research Journal of Modernization in Engineering Technology and Science*, Jun. 2023, doi: 10.56726/irjmets41234.
- [26] A. H. Masyhur, I. Pulung Nurprasetio, B. A. Budiman, A. Adhinugraha, and A. E. Putra, “Prototyping of Bluetooth-Based Wireless Strain Measurement System for Freight Overload Prevention,” in *2019 6th International Conference on Electric Vehicular Technology (ICEVT)*, 2019, pp. 345–348. doi: 10.1109/ICEVT48285.2019.8994016.
- [27] M. N. Roham, R. S. Kadam, R. Hajare, D. B. Pardeshi, and P. William, “Hybrid Model for Vehicle Overload Detection System using Arduino Sensors,” in *2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA)*, 2023, pp. 1431–1434. doi: 10.1109/ICIRCA57980.2023.10220870.
- [28] N. Sreekeerthan, S. Maqsood, T. Sri Sharan, and G. Prashanth Sai, “Arduino based Vehicle Overload Detection and Prevention System,” *International Research Journal of Engineering and Technology*, 2020, [Online]. Available: www.irjet.net
- [29] R. Singh and G. Srivastava, “TRUCK OVERLOADING DETECTION AND ENGINE LOCKING SYSTEM,” 2022.
- [30] B. Dayal and G. Tibebu, “Design and development of automatic vehicle overload control system,” *Int J Sci Eng Res*, vol. 13, no. 6, 2022, [Online]. Available: <http://www.ijser.org>
- [31] J. W. Fisher and H. C. Huckins, “Measuring Dynamic Vehicle Loads.”
- [32] S. Hu, M. Kong, and C. She, “Design of vehicle overload detection system based on geophone,” in *Journal of Physics: Conference Series*, Institute of Physics Publishing, Sep. 2017. doi: 10.1088/1742-6596/887/1/012021.
- [33] T. Xiang, K. Huang, H. Zhang, Y. Zhang, Y. Zhang, and Y. Zhou, “Detection of moving load on pavement using piezoelectric sensors,” *Sensors (Switzerland)*, vol. 20, no. 8, Apr. 2020, doi: 10.3390/s20082366.

- [34] B. Jacob and V. Feypell-de La Beaumelle, “Improving truck safety: Potential of weigh-in-motion technology,” *IATSS Research*, vol. 34, no. 1, pp. 9–15, Jul. 2010, doi: 10.1016/j.iatssr.2010.06.003.
- [35] A. Nugroho and W. Nugraha, “Vehicle Classification based on Axle Distance in Indonesia using B-WIM Data,” *Prosiding Konferensi Regional Teknik Jalan*, vol. 16, no. 1, 2023.
- [36] R. Reddy, “Analysis of Overloading Prevention System in Trucks,” *International Journal on Emerging Technologies (Special Issue on NCRIET-2015)*, vol. 6, no. 2, pp. 224–228, 2015, [Online]. Available: www.researchtrend.net
- [37] K. S. Praveena, M. Prajwal, K. Bhargavi, and M. R. Darshan, “An Automatic Overloaded Vehicle Monitoring and Prevention System using IoT,” in *2021 International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT)*, 2021, pp. 788–792. doi: 10.1109/RTEICT52294.2021.9573892.
- [38] M. Shardul, S. Gurjar, and R. Mishra, “Vehicle Overloading Detection and Protection using Raspberry Pi and IOT Application,” *International Journal of Innovative Research in Science*, vol. 8, 2019, doi: 10.15680/IJIRSET.2019.0810033.
- [39] T. Hu, “A Framework of Truck Overload Intelligent Monitoring System,” in *2011 Fourth International Symposium on Computational Intelligence and Design*, 2011, pp. 107–110. doi: 10.1109/ISCID.2011.128.
- [40] J. Yuan and X. Li, “The Design of the Overload and Overspeed Detection System based on GPS, CDMA and GIS,” 2013.
- [41] P. Feng, H. Jin, J. Gu, and J. Han, “Research on overload monitoring and alarming based on APP,” *International Journal of Multimedia and Ubiquitous Engineering*, vol. 11, no. 11, pp. 413–426, 2016, doi: 10.14257/ijmue.2016.11.11.38.
- [42] I. U. Lutfah, “Analisis Dampak Beban Overloading Kendaraan Berat Angkutan Barang Terhadap Penurunan Umur Rencana Dan Kerugian Biaya Penanganan,” 2015.
- [43] Junyati, “Internet of Thing (IoT).” Accessed: Nov. 01, 2023. [Online]. Available: <https://sis.binus.ac.id/2019/02/27/internet-of-thing-iot/>
- [44] Yuhefizar, *10 Jam Menguasai Internet Teknologi Dan Aplikasinya*. PT Elex Media Komputindo, 2008.
- [45] H. Santoso, *Arduino Untuk Pemula*. Elang.Sakti.Com, 2005.
- [46] M. A. Rafly, “Pemrograman Dan Flow Design Untuk Rangkaian Lampu Light Emitting Diode (LED) Berbasis Raspberry Pi 3b Menggunakan Node-Red Pada Rancang Bangun Greenhouse Automation System (GAS),” *Jurusan Teknik Informatika dan Komputer Politeknik Negeri Jakarta*, Jul. 2020.

[47] D. Suprianto, ‘‘Node-Red pada EC2 AWS,’’ medium.com.